

FINANCIALTIMES

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Wednesday February 16 1977



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1-Outrosland BUSINESS

Equities £ back tting orse

riorating" following his to the trade figures was overstroke. He is to the iffe Infirmary, Oxford. Callaghan was being kept ned of his condition but no diate moves are planned to nt a Cabinet Minister to ise for the Foreign Secreluring his illness. Dr. David Minister of State, is con-

in to act for Mr. Crosland, 5 Richard Evans, Lobby supposition at Westmin however, was that Mr. Cros-illness was so serious that ould be unable to return to politics. It is therefore ned that the appointment of v Foreign Secretary will not

njay Gandhi fight seat

Gandha Prime Minister of has defied opposition from Back Page

ph for the Social Demo (1.36) per cent.

Party. With 70 per cent.

The returns counted the Social Social Signal of the Social Social Signal of the Social Social Signal of the So s seats are likely to be WALL STREET rose 5.99 sed by 12 to 65, which to 844.32. a majority evalution with a critical solution of the majority one of worth \$350m. in London in December—apparently an emergency measure to cope with ther parties.

tables

laines allegation that Lady may rise 11%

ares will ask **EEC** entry

nce Charles

es the honours

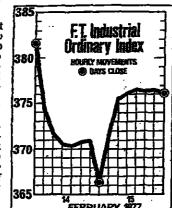
d to Page 11 Shah of Iran said on Dutch

diston that more than 3,000 COMPANIES

hirth rate fell in 1976 for two rights issue at 30p to raise 1220,000. Page 32

rise 9.8; to \$1.70

nthony Crosland, Foreign, • EQUITIES recovered some Commonwealth Secretary, ground, with a feeling in stock eported last night to be markets that Monday's reaction



best at 376.1 to recoup 9.8 of Union of Engineering Workers. Meanwhile, a statement that the previous day's drop of 15.2. after h siunion executive decided rank and file trade unionists

i election results were a cent.: dollar's narrowed to 1.13

arold Wilson last night on Power charges News at Ten denied Mr.

nment policy decisions, id Mr. Hames—his former officer—was the one who to influence Government 7.

ELECTRICITY prices will go up by about 11 per cent. in the coming financial year if, as expected, there is a sharp rise in the cost of coal in the spring.

international competitors.

IHI and Mitsubishi from Japan. as absurd. None of the companies was prepared to comment the contracts involved providence of industry and Electricity electric power lines and dieselwhen he refused to accept any of powered generator sets, with extenders for four separate tensive civil engineering works the tenders for four separate in four areas, Jizan: Al-Kharj the Japanese quoted a price were too high and the eight (south of Riyadh): Baha; and which was about 30 per cent. It is understood that the prices in four areas, Jizan: Al-Kharj the Japanese quoted a price were too high and the eight (south of Riyadh): Baha; and which was about 30 per cent. In the companies were suspected of having "acted in concert to definant the Saudi Government."

The power stations were to be the field, it is not known whether relatively small, at between specification of the consultants advising Saudi Arabia. • SHELL/ESSO group has made a new oil discovery near its com-mercial Auk field. Back Page. earlo Soares, the Portuguese Mesa has been excluded from the Minister, officially con-latest round of offshore licences, d for the first time yester- although concessions in the area hat he would lodge a formal it sought have been left un-entry application next allocated. Page 11

entry application next attocasco. A second of the said Portuguese industry would be ready for full German steel and engineering ration by 1985. Page 4; group, confirmed that it had agreed to a big barter deal with Iran—to exchange manufactured for oil. Back Page

Iran—to exchange manufactured goods for oil. Back Page

INDUSTRIAL production picked up slightly in recent months, but the growth rate is still low and not enough to

picked up slightly in recent months, but the growth rate is still tow and not enough to prevent further unemployment, he conferred seven shoots and 1:20 other its The Duke of Gloucester the first Royal visit to r since 1969 yesterday when rived by helicopter at Hillstigh Liovernment House.

Important to the growth rate is still town and not enough to prevent further unemployment. Back Page. Editorial comment, Page 14

PARLIAMENTARY examiners will give their long-awaited to some on whether the Government's Bill to nationalise the aircraft and shipbuilding industries is hybrid. Back Page. Ocders held by U.K. shipsyllically and power plants were GEC

Important to the growth rate is still tow and not enough to prevent further unemployment. Back Page, Editorial comment, Page 14

PARLIAMENTARY examiners will give their long-awaited to be worth about \$850m. cach.

These contracts were believed to be worth about \$850m. cach.

The companies tendering for the called public tenders for sewage and flood-control works in three major cities.

The sliegation of price-fixing vided by the lowest bids. They have been sternation in the industry mystified by the lowest bids. They have been sternation in the industry mystified by the very wide range of the four electrification schemes and power plants were GEC

Important to mortow on whether the Government's Bill to nationalise the aircraft and shipbuilding undustries is hybrid. Back Page. Ocders held by U.K. shipsylling the stement of the pround on prices will be to the state the state that the tenders for sewage and flood-control works in three higher end of the range, hope were rejected because the Saudi Boour content than was provided by the lowest bids. They also the stement of the pround on prices will be control to mortow on whether the Government's Bill to national floor.

In the first Royal visit to prevent tenders for sewage and flood-control works in three higher end of the range, hope higher end of the range, hope the saudi Rural Affairs can the sural Rural Affairs can

Courtaulds will open a forman protest against are power. Back Page are p forf, which is the focus of COURTAULDS will open a

minster Abbey yesterday likely to be examined by a Govard Page 11 ENGINEERING profession is likely to be examined by a GovHouse, announced major changes referendums into generalised in the proposed referendums in the proposed referendums into generalised in the proposed referendums in Scotland and Wales.

The referendums would be referendum he believed this statement about the provisions of the Said. In addition the form of two rights issue at 30p to raise

Mr. Michael Foot, leader of the no intention to transform the Mr. Foot said the Government had decided to change referendums ences to the unity of the U.K. in arguments for a consultative explicit that this is a factual would be a better way. The of the Act and not a general proposals mean Parliament will political prediction of the strong that the consultative explicit that this is a factual referendum he believed this statement about the provisions of the Revised its sovereignty.

and the terms of the Bill altered retain its sovereignty . but future. to emphasise that the results will take into account the view would not affect the unity of the expressed by the people of Scotland and Wales in the 2th consecutive year to a d low of 11.9 per 1,000 6 BATH AND PORTLAND c. The previous record low group made record pre-tax profit le war years was 14.4 in of £3.25m. (£2.09m.) in the year to October 31. Page 32 of Government tactics in Down-

EF PRICE CHANGES YESTERDAY

EF PRICE CHANGES	TESTEKBAY
es in pence unless otherwise	Land Sees 152 + 5
indicated)	Lloyds Bank 197 + 12
	Lyons (J.)
RISES	Lucas Inds 222 + 7
ric 41pc '74-79£902 + 1	Morris (H.) 147 + 7
my 13]pc 951971 + 11	NatWest 217 + 12
s A 55 + 4	Racal Electronics 266 + 9
Bicweries 6] + 3]	Rang Ore 170 + 6
l. News 160 + 12	Sunley (B.) 126 + 16
i P. Cement 173 + 5	Tate and Lyle 258 + 6
(J.) 398 + 8 (J.) 124 + 5 ss Capel 37 + 5	Thomson Org
' (시.) 144 또 다	11mm Disposes 203 + 10
nergial Union 112 + 5	Union Discount 295 + 10 Unilever
Mail A 265 + 8	Watsham's 150 + 8
Inini 162 + 8	BP 914 + 10
a Rue 310 + 10	Shell Transport 496 + 6
y 106 + 8	Tricentrol 138 + 10
183 + 6	
1 Bros 175 + 10	FALLS
430 + 12	Kitchen (R.) Taylor 54 - 6
er Siddelev 194 + 10	Primrose 85 - 5
330 + 5	Selection Trust 440 - 16

TUC unwilling to discuss pay curbs until after Budget

BY ROY ROGERS, LABOUR CORRESPONDENT

TUC leaders will to-night tell Mr. Denis Healey, the Chancellor of the Exchequer, that they are not prepared to negotiate a new phase of wage restraint to begin in August, before they have seen his spring Budget.

men urge strike Page 12

Details, Page 5

next month. But union leaders, some of whom fear a shopfloor revolt if a pay deal is rushed through before their individual union conferences, want to see the extent of Mr. Healey's promised tax concessions and the

to oppose any move to call an early special TUC conference or

has defied opposition from early special TUC conference or son, Sanjay, as candidate to the Amethi constituency in longs. Government Securities in longs in longs in long with Scotlab TUC conference or came yesterday from Mr. Len ly a letter to Mr. Murray, the TUC general secretary of the Murray, the TUC general secretary of the long came yesterday from Mr. Len ly a letter to Mr. Murray, the TUC general secretary of the marry yesterday from Mr. Len ly a letter to Mr. Murray, the TUC general secretary of the long came yesterday from Mr. Len ly a letter to Mr. Murray, the TUC general secretary of the Murray the TUC conference of Murray, the TUC general secretary of the long came yesterday from Mr. Len ly a letter to Mr. Murray the Murray the TUC conference of Murray the TUC conference of Murray

BY OUR INDUSTRIAL STAFF

concessions,

ollowed a 60-minute discussion

appease both Tory and Labour

But the move merely sparked

another rebellion. Labour anti-

devolutionists, joined by the Tories, protested that the

changes had created even more

The immediate reaction held out little hope that the Govern-

which

They are due to meet the day strike and lobby of Parlia policy are therefore expected Chancellor and other Ministers ment, probably after Easter, in from this evening's TUC economic talks over dinner following support of an end to wage remic committee meeting or the special meeting of the TUC straint.

as special meeting of the TUC straint.

Solution of the TUC straint.

Solution of the TUC straint.

After the meeting in Birming. Chancellor and the TUC's six representatives on NEDO.

Common approach on pay.

Mr. Healey had boped to confluential Leyland stewards comclude a new agreement with the bine committee, gave a warning unions in time for the Budget that the Government and the which is expected at the end of next month. But union leaders. leaders remain in favour of a new agreement provided it is sufficiently flexible to accommo-date their members' particular Premier warns & Leyland men

The National and Local Government Officers Association.

would have the final say on any

day, 500 shop stewards representing about 130,000 workers at Few. if any, details of the next stage should be 6 per cent.
British Leyland called for a one-possible shape of any new wages; if inflation is to be reduced.

specification of the consultants advising Saudi Arabia.

Saudi price-rigging claim

BRITISH COMPANIES tender-Overseas Services. Balfour as a future customer, but the

ing for a £700m. electrification Beatty and Hawker Siddeley idea of collusion between British scheme in Saudi Arabia have from the U.K.; Siemens and German, Swiss and Japanese been shocked by allegations of Man from West Germany; Brown companies in this highly comperice-rigging among the eight Boverie from Switzerland; and titive field is privately dismissed international competitors.

IHI and Mitsubishi from Japan. as absurd. None of the com-

up a committee of Ministers to generator sets were between investigate the way in which foreign companies, with their labouring under the disadvan-labouring unde

over power tenders

up a committee of Ministers to generator sets were between investigate the way in which foreign companies, with their life reported from Jeddah

THE GOVERNMENT'S devolu- ment's concessions would help it referendum.

done. The FT 30-Share Index closed a little below the day's best at 376.1 to recoup 9.8 of the previous day's drop of 18.2 Another suggestion came vesterday from Mr. Bryan Sanley, general secretary of the

"On these three points there can be no give from the CBI at all. These points are not discussable," declared Lord

He summed up the meeting when he said: "We have really not progressed very far: we have not fallen out at the first fence," and added that he had told the Prime Minister that "if you try to ram the Bullock Report down our throats you will meet unremitting hostility."
Walkinson on pay curbs.

Page 9

Callaghan calls CBI to Bullock talks

By John Elliott, Management Editor

THE PRIME MINISTER for-THE PRIME MINISTER formally launched the Government's bid last night to coar the CBI into accepting industrial democracy legislation when he invited their leading representatives to start talks on participation below Board level with senior Ministers.
But this does not mean that

the Government intends to budge from its commitment to introduce legislative proposals this summer on worker directers, following publication last month of the Bullock Report. Its significance is that, as the Prime Minister spelt out last right, the Government wants to achieve the largest possible measure of agreement for its worker-director legislation. To worker-director legislation. To this end Ministers are prepared to start their post-Bullock consultations with the CBI by examining the problems of participation from the shop floor upwards.

Delegation

Lord Watkinson, the CB! president, who led a six-man delegation of senior industrialists to the hour-long meet-ing with the Prime Minister at Westminster, said he would put the offer to the monthly meeting of the CBI's Grand

Council to-day.

If, as seems likely, the council accepts, Mr. John Methyen, CBI director-general, will hold exploratory talks with Mr. Edmund Dell, Secre-

tary for industry.

The Prime Minister was accompanied at the talks by Mr. Dell; Mr. Eric Varley, Secretary for Industry; and Mr. Albert Booth, Secretary for Employment. He said that he respected and understood the CBI's objections, even if be could not accept them.

objections on their three basic sticking points on which they say they are not prepared to

tion of trade union-nominated representation, and unions monopolising the choice of the worker directors.

Watkinson.

Nine agree on fish stock protection

BY ROBIN REEVES

BRUSSELS, Feb. 15

Common Market's long and com- the plicated fisheries negotiations negotiations and in other policy was achieved here to-day when areas.
Agriculture and Fisheries Ministers of the Nine reached agreement on the basis for a Combunity regime to conserve fish dented meeting here between stocks inside the new 200-mile limits.

But the row blew over quickly as the Council closed ranks are to-morrow's unprecedent to meeting here between the Community and the Soviet Government to discuss a possibility.

agreement include:

2.-A total ban on Celtic Sea herring fishing from March 1 to the year's end;

3.-Closure of an area to the

tolerance to 20 per cent. (from 25 per cent.) from April 1. In addition, strict controls are from the unilateral brink—al envisaged on the activities of least for the time being, factory ships operating inside the Progress would not have been

Community's new 200-mile zone.

Irish ban

the most pressing conservation Foreign Ministers and tried to demands of the British Govern-push the negotiations to a ment, however, it proved insuf-successful conclusion. ficient to satisfy Ireland. Mr. Patrick Donegan, who holds the newly created post of Irish Fisheries Minister, announced that his Government would be introducing from March I a unilateral is clearly just the start of a ban prohibiting all vessels of Common negotiated fish stocks 110 ft. or 1.100 brake-horsepower conservation regime.

activity in Irish waters by EEC boats, following the clave to 200-mile limits.

Some anger

ment on other conservation measures, it did not consider them adequate or meet the Com munity recognition of the Irish f in New York fishing industry's special need to expand.

Dublin's unilateral action was the subject of some initial anger, notably from the Germans, the French and the Brussels Com-

The latter warned of

. BREAKTHROUGH in the the possible repercussions for

Principal elements in the sible reciprocal fishing agree-

ment. I.—A total bun on North Sea herring fishing between February 2S and April 30, with a possible extension to be considered later;

These talks will represent the nearest the Russians have come to affording the Community diplomatic recognition.

Crucial

3.—Closure of an area to the North and East of Scotland to industrial fishing for fishmeal served the right of coastal States (the so-called Norway pout box) to adopt additional conservation initially from February 28 to measures unilaterally, provided April 30, with a later review of the size of the box;

4.—Industrial fishing to be subject to a reduction in the maximum whitefish by-catch independent of a Community conservation regulation. A key element of today

This aspect was crucial in enabling the U.K. to step back

Progress would not have been possible had not Mr. Paul Dalsager, the Danish Agriculture and Fisheries Minister, agreed to lift his Government's overall While to-day's agreement met conservation accord among EFC

Conservation

The agreement reached to-day

The CBI leaders based their specifications on their three basic sticking points on which they say they are not prepared to the end of the year.

These are statutory imposition of trade union-nominated worker directors, parity of representation, and unions in the country in the control of the move to 200-mile limits. But it should help to keep negotiations in other areas on the community rails, notably the control of the move to 200-mile limits. But it should help to keep negotiations in other areas on the community rails, notably these with non-EEC countries. Discussion of a definitive new those views required the control of the control of the move to 200-mile limits. But it should help to keep negotiations in other areas on the community rails. Notably these with non-EEC countries. EEC internal fisheries regime has been handed over to an ad hoc group of senior officials of the Nine, plus the Commis-sion. Included in their brief are the British and Irish demand for an exclusive national fishing While accepting to-day's agree- band of up to 50 miles offshore.

		Feb. 15	Pres mus
Syet 1 month 3 months 12 months	1 1.6	end ditails	\$1,6560 pass : 1,3041,25 di- : 5,570 50 di- : 11,9041,50 di-

The South of France

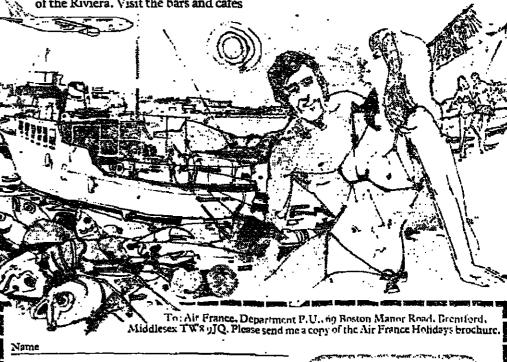
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FEATURES ing Street, were intended to Mr. Healey's tax cut W. Bengal politics The Caribbean Press ... options CARICOM economy ... Steel stockholding FT SURVEY 13 5 London Metal Exchange 15-30 ON OTHER PAGES ANNUAL STATEMENTS

confusion.

Mr. Eric Heller, a leading Leftwinger, forced a vote to adjourn the Committee stage — now in its ninth day — until the Government introduced amendments to clarify its intentions.

The Government averted the loss of another seven bours debate by defeating the move by 231 votes to 202—a majority of 29. Scottish Nationalists, though protesting about the changes, voted with the Government.

The immediate reaction held

Appelamments 334

Appelamments 3494.

Appelamments 3494.

Aris 4

Company Mews 32-34

Entersial Reading 24

Entersial Reading 39

Horne Contracts 4

Leading Articles 4

Leading Articles 32

Leading Articles 3 Aprensen Eras.
W. Cansing & Co....
Hardys & Hansons.
Herbert Morris
Thermal Syndicate INTERIM STATEMENTS

Delays for Euro-parlia-A Leyland profile Turkey's divided govt.

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Devolution switch provokes

rehellion, Page 12

Air France, 156 New Bond Street, London W1. 21-409 8411. Manchester 061-832 7831.6.

Why poor people get poor value

BY ANTHONY HARRIS

SOME potentially rather ex-well off: how? why? to what plosive evidence about poverty purpose? and what has been given to the Royal Commission on the Distribution of recently? One of the first lessons lincome and Wealth by the I learned in economics was that National Consumer Council, a one cannot say that a doubling hody whose potential distormance-value is beginning to look quite large. Its message is one can only say that this man that the poor are poorer than we is better or worse off than this, because they get worse another, and better or worse off than this man that the noney, and that than he used to be. The absorbance in the Gold Cup.

I feel confident he will come through with flying colours. An since the war, Lanzarote has impressive winner from Julian piven his supporters every hope in his two races over fences that he can prove as good in the chasing field.

BROOKE BOND OXO'S sponsorship of a series of flat races for men and women amateur riders is to continue this year.

The nine-race series begins at the Cold Cup. Lord Howard de to Walden's nine-year-old can underwise the continue that year.

The nine-race series begins at than he used to be. The absorbance in the Gold Cup.

I feel confident he will come through with flying colours. An since the war, Lanzarote has impressive winner from Julian piven his supporters every hope in his two races over fences that he can prove as good in the chasing field.

An 8-1 chance in the Gold Cup.

An 8-1 chance in the Cold Cup.

An 8-1 chance in the Gold Cup.

An 8-1 chance in the Cold Cup.

An 8-1 chance in the Gold Cup. think, because they get worse another, and better or worse off value for their money, and that than he used to be. The absorbis gap has got bigger in the lute numbers are virtually last 15 years, and especially in meaningless. the last 12 months. Labour rule, in other words, is bad for pendence is rather a mixed batch. Sioners and the low paid.

Much of it rests on an assertion and the low paid.

inspire confusion of mind. results would, Consumer detriment is rather waste of time.

Thwelcome

At this stage of the pay negotiations, such an invitation to ask significance the NCC supposes. If it is probably true that small treatment for the low and shops. Shops—which are mainly in poor

tlations, such an invitation to ask significance the NCC supposes, preferential it is probably true that small for higher pensions, preferential it is probably true that small hovices chase at Sandown in treatment for the low paid, continued subsidies and the rest could hardly be more unwelcome; but since the NCC's case appears well founded, it is important to understand just what it does show and what it does show and what it does show and what it doesn't.

There are in fact two totally different themes woven together in this evidence—a concept which the NCC calls consumer detriment, and a whole range of work on differential inflation. The first is a static phenomenon, the second an aspect of inflation, and taken they spend it; and the record means that the prices of the things they bur rise faster than other prices. The first is a static phenomenon, the second an aspect of inflation, and taken to the prices of inflation, and taken to record means that the prices of inflation, and taken to record means that the prices of inflation, and taken to record means that the prices of inflation, and taken to record means that the prices of inflation, and taken to record means that the prices of inflation, and taken to record means that the prices of inflation, and taken to record means that the prices of inflation, and taken to record means that the prices of inflation, and taken to record means that the prices of inflation, and taken to record means that the prices of inflation, and taken to record means that the prices of inflation, and taken to record means that the prices of inflation, and taken to record means that the prices of inflation, and taken to record means that the prices of inflation, and taken to record means that the prices of inflation and taken to record means that the prices of inflation and taken to record means that the prices of inflation and taken to record means that the prices of inflation and taken to record means that the prices of inflation and taken to record means that the prices of infla

RACING

BY DOMINIC WIGAN

Confidence in Lanzarote

LANZAROTE must win to-day's a smooth success from The Last Reynoldstown Novices Chase if Light and Newfoundland in Ayr's Fred Winter is to let him take valuable West of Scotland his chance in the Gold Cup. Pattern Novices Chase.

ASCOT 1.39-Midsummer Lad*** 2.00-Tree Tangle 2.30-Outpoint 3.60—Otter Way** King Flame e.w.



SOUTHERN

Omar Sharif and James Mason.

10.80 Party Political Broadcast on behalf of the Conservative Party.

10.10 News.

10.10 News.

10.10 News.

10.10 News.

10.10 News.

10.10 News.

10.10 The Wednesday Special:

10.10 Houseparty. 2.25 Randall and Hopkirk (Deceased). 3.50 Mr and Mrs Statesphottonopopers. 5.20 Crossroads 6.08 Report West. 6.15 Report Wales 6.08 Report Wales 6.08 Report Wales Film: "The Long Due!" starting Yull Bryaner and Trevur Howard Starting Yull Bryaner And Yull Bryan

40.10 News. 10.40 The Wednesday Sp. Football.

11.35 Pathfinders.

All ITV Regions as London except at the following times:

ANGLIA

Service except: 1.20-1.25 p.m. Penawdau Newyddion y Dydd. 4.20 Miri Mawr 145-4.50 Un Tro. 6.25-6.15 V Dydd. HTV West-As HTV General Service except: 1.20-1.30 p.m. Report West Beadines. 6.15-4.30 Report West Beadines. except at the following times:-

ATTOLIA

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ANOSLIA

ANOSE Baby? 1.25 Anglia

News. 2.00 Houseparty. 2.25 Cash and
Cunjany. 3.50 My. And Mrs. 5.15

University Challenge. 6.00 Abour Anglia.

University Challenge. 6.00 Abour Anglia.

Weather Report. 2.00 Houseparty. 2.25

Weather Report. 2.00 Housepa

ATV MIDLANDS
12.30 p.m., Whose Baby? 128 ATV
Newsdesk, 3.50 Mr. and Mrz. 5.15 The
Filiatories, 6.00 ATV Today, 2.60 The
Mrd. Work Eller, "Rempton" at resider The So p.m. Whose Baby? 1.28 Border

1.30 p.m. Whose Baby? 1.28 Border

1.30 p.m. Whose Baby? 1.28 Border

1.30 p.m. Whose Baby? 1.28 Border

2.30 Houseparty. 2.50 Jason King.

1.30 p.m. Whose Baby? 1.28 Border

2.30 Houseparty. 2.58 Boney.

2.30 Houseparty. 2.58 Boney.

2.30 Called To The Bar.

12.30 p.m. Whose Baby? 12.31 Border News 2.08 Houseparty. 2.25 Boney. 1.59 The Mary Tyler Moore Show. 5.15 Lassie. 6.09 Border News and Lookaround. 2.00 The Wednesday Film: "Finneral in Berlin." starring Michael Caine. 11.35 The Protectors. 112.05 a.m. Border News Summary.

Called To The Bar.

TYNE TEES

9.28 a.m. Starting Point. 12.30 p.m. whose Baby? 1.20 North East News and Lookaround. 2.00 Women Only. 2.25 The Company Men. 3.50 Mr. and Mrs. 5.15 The Brady Bunch. 6.00 Northern Life 2.00 The Wednesday Film: "The Moving Target," starting Paul Newman. 11.35 The Playwright. 12.15 a.m. Epilogue. CHANNEL

GARDENS TO-DAY

The contraction of the contract of the contrac

Horizons reduced by price of fuel

BY ROBIN LANE FOX

BROOKE BOND OXO'S so chains a series of flat races for men and women amateur riders is to continue this year. The sine-race series begins at home feature race by outclassing stide. Brooke on the first races over fromes, the chain-pionship final at Haydock on October 2.

Lanzarote made an even more made and even the course, Jeff King's praisevorthy performance in his first file belind some fare praisevorthy performance in his first file belind some fare first race over fenoes, the Standown in Strongly fancied to make his Standown by the strength of the form with 1 take him to add to his grow.

BROOKE BOND OXO'S so chaing salely of a series of flat races for flat races of flat races of flat races in most lists for intended that flat meeting a strong gallop who who kept up a strong gallop who who who kept up a strong gallop who who which has defed any outdoor strong the process of the strong part of the string close home to be was since franked the form with 1 take him to add to his grow.

There the former Champion hurdler proved too good for Fred Otter Way is sure to take a great open which is strongly fancied to make his strongly fancied to make hi

a pair of young leaves.

their way of curling their leates and young shoots whenever you touch them lightly. There was even a Cattleya, most opulent of all orchids.

Why worry with a hot-house, you may wonder, when houses have airing cupboards and a warm kitchen? If you sow these tropical seeds in boxes and cover them over with polythehe bags, yon can indeed leave them in a dark cupboard and expect a certain success in coaxing them into a pair of young leaves.

Their cause has been done at true named variety and the sexon. It is unrealistic to exp at true named variety and these various colours: there a true named variety and there of the spring RHS flower shows: here. Lewisias are grown in shallow pans filled with a rich are propagated from cuttings will keep it identity: "George Henley's" many as fifty flower-stems on the rue named variety and the sexon. It is unrealistic to exp a true named variety and the sexon to exp a true named variety and the sexon. It is unrealistic to exp a true named variety and the sexon there a true named variety and the sexon. It is unrealistic to exp a true named variety and the sexon the sexon. It is unrealistic to exp a true named variety and the sexon the sexon. It is unrealistic to exp a true named variety and the sexon the sexon. It is unrealistic to exp a true named variety and the sexon. It is unrealistic to exp a true named variety. These various colours: there a true named variety and the sexon. It is unrealistic to exp a true named variety. Only those hybrids whe are propagated from cutting will keep it identity: "George Henley's" particularly good bere as the rosettes of one plant. They are propagated from cutting will keep it identity: "George Henley's" particularly good bere as the rosettes of one plant. They are propagated from cutting will keep i It would be worth putting part

ingwersons offer their

BBC 1

7.05 a.m. Open University (UHF only). 9.15 For Schools, Colleges. 10.45 You and Me. 11.00 For Schools, Colleges. 12.45 p.m. News. 1.00 Pebble Mill. 1.45 Heads and Tails. 2.01 For Schools, Colleges. Wales—2.18-238 p.m. I Ysgolion. 2.53 Regional News (avent) Figure 1.440 Crestal Time 1.15

South-East only). 6.20 Nationwide.

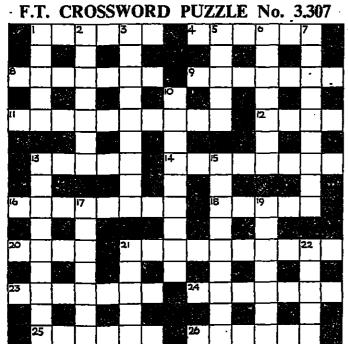
6.55 The Goodies—Almost Live. 11.15 Sportscene. 11.55 News and 7.25 Into the Unknown: "For- Weather for Scotland.
Welter Pidgers." starring
Worthern Ireland — 10.23-10.45

9.10 News.
9.35 The Regiment.
10.25 Sportsnight.
11.15 To-night.

1.00 Pebble Mill. 1.45 Heads and Tails. 2.01 For Schools, Colleges.

Tails. 2.01 For Schools, Colleges.

3.53 Regional News (except Ffenestri. 4.40 Crystal Tipps and London). 2.55 Play School. 4.20 Alistair. 4.45-5.05 Llon a Llwyd. The Wombles. 4.25 Jackanory. 5.55-6.20 Wales To-day. 6.55 4.40 The Great Grape Ape Show. Beddiw. 7.10 Pobol Y Cwm. 7.40-5.05 John Craven's Newsround. 9.00 "Touch And Go." starring 3.10 The Phoenix and the Carpet. 5.40 News. Scotland—10.23-10.43 a.m., 2.18-50 Nationwide (London and South-East only). 2.38 p.m. and 2.40-3.00 For Schools.



ACROSS 1 Minister

(4, 2) 8 Master opponent in open-air production of Hamlet (7) 9 Officer departed to order

11 Wash lightly with soap—the doom is night (7, 2) lighter the better at tea-time 17 No Scots perfume is coming (6, 4)

14 Jumper supplied with front pocket (8) 16 Originator of Alpine trunk

18 With which to achieve end of

money (5) 20 Is two a flower? (4) 21 Handle correspondence and sign by the way (6, 4)

23 Stick around on railway for mafficking (7) 24 Embrace oriental wife (7) 25 Mess left by a lot of cubs (6)

26 How's that for attraction? (6) DOWN 1 Vote wholeheartedly for stout

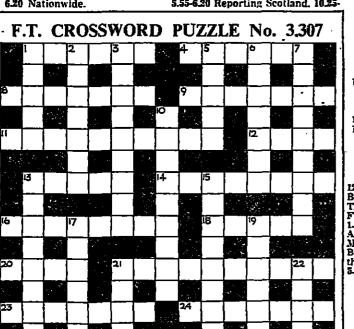
2 One member elected upset for example by strike (7)
3 Severely criticise driver for organising savings (5, 4)

Walter Pidgeon.
9.00 Party Political Broadcast 3.53-3.55 p.m. Northern Ireland on behalf of the Conservative Party.

Northern Ireland 10.25-0.85

a.m. For Schools: Ulster in Focus.
3.53-3.55 p.m. Northern Ireland News.
5.55-6.20 Scene Around Six. 11.55 News and Weather for

2.38 p.m. and 2.40-3.00 For Schools. 5.55-6.20 Reporting Scotland. 10.25-



Minister snoops by road junction (6)

4 End of ground excavated 7 Explain how to vote (3, 6)
(4, 2)
10 Sailor goes by jet because

12 Spicy item for office staff (4) 19 Confirm a piano test (7) 13 Period with a certain charm 21 Confirm a piano test (7)



Six. 11.55 News and Weather for Northern Ireland.
England—5.55-6.20 p.m. Look
East (Norwich); Look North (Leeds, Manchester, Newcastle); Midlands To-day (Birmingham); Points West (Bristol); South To-day (Southampton); Spotlight South-West (Plymouth).

BBC 2

6.40 a.m. Open University.
10.35 Nai Zindagi Naya Jeevan.
11.00 Play School visits Newcastle upon Tyne.
1.45 p.m. Racing from Ascot.
5.45 Open University.
7.00 News on 2 Headlings.
7.05 Trade Union Studies.
7.30 Newsday.
8.10 Pro-Celebrity Golf.
9.00 Party Political Broadcast on behalf of the Conservative Party.

tive Party.
9.10 One Man and His Dog.

9.10 One man and his log.
9.40 The Velvet Glove.
10.55 Arena: Cinema: "Network"
with Peter Finch—discussion: Cavalcanti talks about

10.55 Arena: Cinema: "Network"

with Peter Finch—discussion: Cavalcanti talks about his career.

11.20 Late News on 2.

11.40 Cosedown: Ronald Pickup reads "The Last Mystery" by Jon Stallworthy.

LONDON

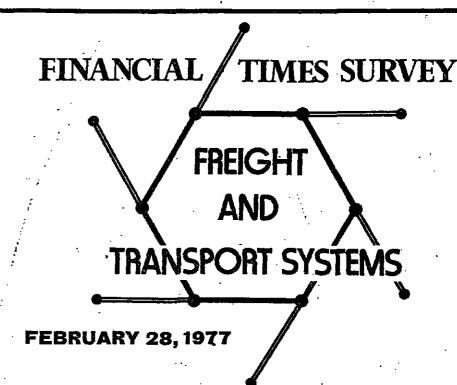
9.30 a.m. Schools Programmes.
12.00 The Adventures of Rupert Bear. 12.10 p.m. Rainbow. 12.30 Readines. 2.25 The Company Men. 2.35 By valler. 348 Uniter News Readines. 2.25 The Company Men. 2.35 By valler. The Movins Tarket. "starting Paul Newman, 11.35 The Movins Tarket." 13.00 News plus FT index. 1.20 To-day's Post.

1.30 Crown Court. 2.00 Good Afternoon. 2.35 Marcus Welby, MD. 3.29 Rooms. 3.50 Whose Baby? 1.20 This is Your Life.

5.45 News.
6.00 To-day.
6.35 Crossroads.
7.00 This Is Your Life.
7.30 Coronation Street.
8.00 Wednesday Adventure
Film: "Genghls Khan," starting "Ustarting Yustarting Paul News Adventure Film: "The Double Man." starting Yustarting Yustartin

7.30 Coronation Street.

8.00 Wednesday Adventure
12.30 p.m. Whose Baby 1.23 Report Newman
Film: "Genghis Khan," statting West Headlines. 1.25 Report Wales Read-Surgeon.



The Financial Times proposes to publish a Survey on Freight and Transport Systems in the edition of February 28. This survey will cover all aspects of transportation, including the scope for using pipelines: its coverage will deal with the ancillary services, including mechanical handling, computers and insurance and will cover future trends.

Articles in the survey will include: INTRODUCTION: While freight transport is a vital element in all industrial activity, it is subject to wide-ranging and ever-growing Government intervention for Government intervention for unitised cargo services and the political, social and economic outlook for non-containerised

Technological Change—Current research programmes and future research needs. Patterns of Freight Movement-Factors behind the present pattern of freight movement in the U.K. and on the Continent.

The User's Viewpoint-An ap-

praisal of current trends.

ROAD HAULAGE: Haulage Services The evolvement from a cottage industry to a specialised and sophisticated operation. Continental Operations—Difficulties for U.K. carriers to break into

Continental haulage markets. Equipment—The next steps the lorry makers plan to make. RAIL SERVICES: Role-What future for rail? Bulk Rail Freight Services-The

Parcels and Wagon-load Traffic-Competition and development within this business. SHIPPING SERVICES:

tainerisation-The next steps in

general cargo services. **Bulk Trades—Latest developments** and future prospects for carriers and services.

Ports—The next generation of changes and-current problems. AIR FREIGHT: Air Freight Services—The present role and future prospects of air freight.

Equipment-The air freight market-and its suppliers. Airport Facilities—Airports' future

OTHER CARRIERS: Pipelines-The scope for using pipelines. GENERAL: Freight Forwarders-The changing role. Mechanical Handling, Computers and Other Equipment-The de-

velopment of this equipment.

Insurance—The insurance aspects plans for specialised services. of freight movement. The proposed publication date is February 28: copy date is February 18. For full details of the synopsis and advertising rates

contact Richard Willis on 01-248 8000 Ext. 7048. **FINANCIAL TIMES**

EUROPE'S BUSINESS NEWSPAPER tent and publication dates of surveys in the Financial Times are subject to change at the discretion of the Editor.

The Glass Menagerie B. A. YOUNG Hapless families by CHRIS DUNKLEY



spoken; a roll of fluinder characters, his realisation of James Antirey as foll, who retreat from reality. Only when character is antipatited: most of mbles as sister Laura faints the reverse of the coin which periodically comes downstage to her gentleman caller turns out them feel hard done by; they realistic set is appeared to be her old schoolgri idel, whine much of the time and diving back into his part, is though now metamorphosed into mope when there is no one to religious relations as the six old female bobcat"; yet Amanda, warm and likeable, and he too an ambitious nobody, does she whine to; adult or child, they are not of the time and likeable and he too an ambitious nobody, does she whine to; adult or child, they are not of the time and likeable control over their lives are not only of them feel hard done by; they when feel hard done by; they have done by; they when feel hard done by; they have done by; they when feel hard done by; they when feel hard done by; they have control of the feel hard done by; they have do prepared to compromise l' and playwight, is the author and star film International series.

Attol Fugard, the South African will be premiered in BBC 2's mine to; adult or child, they are protrayed as having little if any sive devotion to what site thinks behaviour towards his mother apparently normal and likeable, and he too an ambitious nobody, does she will be premiered in BBC 2's playwight, is the author and star film International series.

Attol Fugard, the South African will be premiered in BBC 2's playwight, is the author and star film International series.

The Guest of Steenkomps and three portrayed as having little if any south or their lives, and they are shown as been grown as the failing with a first advance of the guest in the second or in the seco

Both are concerned with the tensions of urban society, the weakening of family structures, the rapidly changing rôle of women within the family and society, and the resultant difficulties and doubts of the patriarch in particular and of

The similarities between the neighbours were a hail-fellow-been startled by the jump cuts always stayed. It is one of those BBC I drama sextet Fathers And well-met boozer and a spiteful which look out of place, odd, mad, and yet inspired Families and Granada's 13 part little interfering minx. The Actors could hardly be left idealistic moves which people

The Entertainment Guide is on Page 6

underlines the dialogue, when

serial This Year Near Year are children were a sullen daughter unaffected, though Dinsdale make, and naturally it disturbs too obvious to be ignored. Both and a dim-witted son.

Landen does, astonishingly, maneveryone around him.

Landen does, astonishingly, maneveryone around him.

Of course, the serial has faults:

able words of Hugh Cupdlipp even such repugnant collections Sure enough, however, some of the rural idyll has, so far, been the sundand of the cupdling of the

ing because you could not get brother and his new wife carry-more prestige or a better track ing on the family's farming record behind the production tradition, and so on. are Mark Shivas (Glittering Prizes, etc.) and Stella Richman believing in Finch's people, or in team if you tried: the producers you are presenting a group of people so unrelievedly dour and dejected as to be quite beyond dejected as to be quite beyond dejected as to be director is Christopher Morahan (formerly one of our top director to the control of the c

able words of Hugh Cupdlipp even such repuguant collections Sure enough, however, some of when killing the Daily Herald as this, were the plays and the the other performances, especiand and fathering the Sun) "born of characters in them not so ally from Dorothy Bromiley as the curlews trill, and the the age we live in." They are uniformly humourless. They the solicitor's wife and Louise effects prodigal son finds honest make Ibsen seem positively Hall-Taylor as his daughter, have dians or even Georgians but flippant. It is absurd to go to about us, and the problems which such lengths in the name of at any rate those of us labelled use of passing suburban trains at any rate those of us labelled use of passing suburban trains.

"middle class."

The Entertainment

estival Hail

The em

Die glückliche Hand

by RONALD CRICHTON

Mahagonny

by MICHAEL COVENEY

in brief

Mole-Richardson, the stage and studio engineers of Thetford, Norfolk, whose recent projects have included work for the National Theatre, have signed a contract with the Serbian National Theatre in Novi Sad, Yugoslavia. This is for all staging and associated equipment, includ-This lunchtime presentation in the "Benares Song." And a sassociation with The Goethe when Mahagonny is revealed as sistinte) is of the half-hour an illusionary place, despite the meg-play which formed the basis abrasive assertions of "God in it the full-scale show The Rise Mahagonny" ("One morning and Fall of the City of when the sky was grey/Swim chogonny. It really comprises in whisky/God came to more than six songs by Brecht Mahagonny.") the company close in the very best and, with their who fed them tales.

The Magician is an invention of this production and the figure in the most adventurous and of this production and the figure in the most adventurous and of this production and the figure in the most adventurous and implex of the entire output.

This is not what they get in the more certainly no tricks the misquided acity of illusions.

bove all, they require expert approach. For if Managonny was indeed a city of illusions, nging.

This is not what they get in there were certainly no tricks and Marcus's glossy cabaret up Brecht's sleeve in discussing coduction, which makes the in it. It may be dramatically near imprehensible mistake of inflat to provide a stage metaphor in the action where none exists this way; but it is impossible it action where none exists in this way; but it is impossible it action where none exists in this way; but it is impossible in series of campy, staged to justify.

geneties: two sullen girls in Mr. Marcus would have done remin gress "act" the "Ala better to hire a company of real remain open of the sung." A bevy of chorus boys audience did the fantasising is specified in the sungle of the sungl

Bush Theatre

Come Jubilee

by MICHAEL COVENEY

by RONALD CRICHTON

schoenberg*s Die glitchische likely to cope out well on a tage for a score as tightly packed a bartone, two mimes, annal state of the score as tightly packed as a bartone, two mimes, annal state of the score as tightly packed as a bartone, two mimes, annal state of the score as tightly packed as a bartone, two mimes, annal state of the score as tightly packed as a bartone, two mimes, annal state of the score as tightly packed as a bartone, two mimes, annal state of the score as tightly packed as a bartone, two mimes, annal state of the score as tightly packed that the score as the score as tightly packed that the score as the score as tightly packed that the score as the score as tightly packed that the score as the score as the score as tightly packed that the score as the sc

Albert Hall

ABBA

by ANTONY THORNCROFT

Reviewing ABBA is like cause it possessed the typica

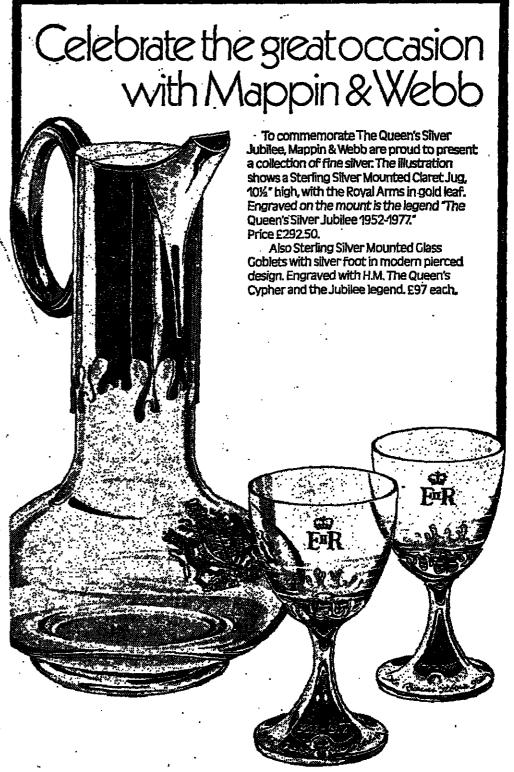
National Theatre in Novi Sad, Yugoslavia. This is for all staging and associated equipment, including the installation of machinery, and is worth nearly £750,000.

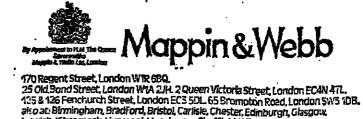
A £1,600,000 appeal to build a new theatre at Pitlochry is already half-way to the target.

The appeal to build a replacement for the Pitlochry Festival Theatre. Perth, has been promised Scottish Arts Council, local authority and other cash grants totalling £900,000. The present theatre will remain open for three more seasons and the new \$00-seat building is expected to open in spring, 1980.

Reviewing ABBA is like cause it possessed the typical reviewing a balance-sheet—the Swedish sense of humour. emotional contribution is It was only the fact that the dwarfed by the cash register, boys Bjorn and Benny tan write Any group that has sold 30m, the occasional good hit and that singles and 14m. LPs and grossed Frida and Anna can sing well over £60m, across the counter and shake their bodies like an must be taken seriously, but in pair Swedes that has brought emotional terms ABBA hardly ABBA to the international front. It is commercial such Behind the few minutes of compromised Scottish Arts Council, local authority and other cash grants totalling £900,000. The present theatre will remain open for three more seasons and the new \$00-seat building is expected to open in spring, 1980.

Were £60m, across the counter and shake their bodies like an must be taken seriously, but in pair Swedes that has brought emotional terms ABBA hardly ABBA to the international front. It is commercial such Behind the few minutes of compromised Scottish Arts Council, local authority and other cash grants totalling £900,000. The present theatre will remain open for three more seasons and the new \$00-seat building is expected to open in spring, 1980.





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EUROPEAN NEWS

Portugal to apply formally this year to join EEC

DR. MARIO SOARES, the Portu- be envisaging more rapid inte-main benefits to the community

its future. the Nine Speaking in London at the end request. Speaking in London at the end request. The Government's offer. Portugal would also serve of the first stage of a tour of authority would be undermined as a bridge between the comments officially confirmed unacceptable choice between tuguese colonies in Africa, as that he would lodge a formal strict dependence on the total server and the Brazil he added that he would lodge a formal strict dependence on the U.S., application for Portugal to enter stagnation and isolation, or a the Common Market after he future as "some kind of Euro-completes his tour next month. pean Cuba." The Community

The next stop would be for itself could not survive for long the Nine to agree to open nego if the countries of southern tiations this year, or in early Europe became "an easy target 1978 at the latest. The political for proletarian regimes and polidecision to admit Portugal must tical instability," he said. thus be taken in the course of he next year, he said. adopted by the Nine Foreign Looking further ahead, Dr. Ministers in Brussels last week the next year, he said.

guese Prime Minister, yesterday gration into the EEC than he of Portuguese membership spelled out more clearly than has in past pronouncements, in would be political, there would ever before the steps by which which he has spoken of the need also be economic advantages. He he plans to achieve the full for a 10-year transition period. pointed to the wider market, the EEC membership on which his

Dr. Soares once again warned fisheries and mineral resources socialist Government has staked of catastrophic consequences if and the scope for capital investing future. the Nine turned down Portugal's ment, which his country would

> He had not been surprised by the "total support" for Por tuguese membership which had been expressed by Mr. James Callaghan, the Prime Minister. during his London talks. He hoped that Britain would use it "prestige and authority in the community" to further the Portuguese bid.

well as Brazil, he added.

Soares said he was convinced was "extremely positive." he Dr. Soares said that he was that Portuguese industry would said. At that meeting, the Nine totally in favour of Spanish be ready for full integration into the Community by 1985. He was membership should be the ulti-that country had attained full less clear about the precise tarmate aim, while stressing that democracy, which he believed get date for entry, saying only time would first be needed to would be in the near future, that he hoped his country would tackle the country's serious Later, Dr. Soares began the be accepted as a full member social, financial and agricultural second stage of his trip with "much before" 1985.

Nevertheless, he appeared to Dr. Soares said that, while the Government.

EEC Court advised on fines

The attitude towards Portugal

set in a European unit of companies must pay in their account that was established national currencies."

This was the thrust of an in units of account—with Italian first stage in this process. opinion delivered to-day by the lire, which by early 1976 had first stage in this process. Advocate General, Mr. Jean-fallen far below the 1969 level If the Court upholds Mr. Pierre Warner, before the on which this type of unit of Warner's opinion, the implicative case in which nine European The effective advantage to the will have their fines recalculated sugar companies were fined a French companies was 33 per in their national currencies, and total of Löbn. units of account cent, to the Belgian 35 per cent, will then have to pay the differin December 1975, for lilegal to the Dutch 40 per cent, and ence between that and what market practices.

FINES IMPOSED by the Euro- The Advocate General, whose amount varying according pean Court of Justice should opinion is likely to be endorsed each currency's movement. The Advocate General, whose amount varying according reflect current money values, by the Court sitting before even though they are officially Easter, said that "the sugar

Following EEC Commission complaints about the exploita tion of this loophole, two French account that was established national currencies."

before exchange rates generally

the companies had all decided companies sought an interpretation from the Court, and Mr.

Started to float.

This was the thrust of an in units of account—with Italian first stage in this process.

opinion delivered to-day by the lire, which by early 1976 had first stage in this process.

France will tighten S. Africa arms policy

By Robert Mauthner

PARIS, Feb. 15. FRANCE WILL re-enforce its embargo on arms sales to South Africa, though naval equipment will still be excluded from the ban, French President Valery Giscard d'Estaing announced last night at the end of an official visit in Bamako, the Mali capital.

The French embargo on military aircraft and laud armament sales to South Africa was first proclaimed officially during M. Giscard d'Estaing's visit to Zaire in August 1975. But he made clear at the time that orders already placed would be

Last night, however, Presi-ent Giscard d'Estaing dent Giscard d'Estaing emphasised that not only would no new air and land military equipment be sold to South Africa, but that the French authorities had taken special measures to prevent any deliveries from slipping through the official net. deliveries from slipping through the official net. It is understood in Paris that

the re-enforcement of the embargo will also put a stop to all supplies of spare parts for military equipment such as Mirage combat aircraft, heli-copters, tactical missiles and transport aircraft already delivered by France to South Africa.

The measures, however, will probably have less practical effect than might appear at first sight. The Mirage and some equipment have been manufactured under licence in South Africa for some time, and the South Africans are known to have both the know-how and industrial capacity to manufacture most of the military equipment they need.

At the same time, France, which has already supplied S. Africa with three Daphne class submarines and has received further orders for at least two 12,000-tons Agosta class submarines worth about £35m., which are due to be delivered at the end of next year, will continue to sell naval

equipment to South Africa.
The official French justifica. tion for such a dual stance is that naval equipment can be used for external defence only and can not be employed to put down local insurrections.

France's political motives are clear: it has been much exiti-cised recently by independent African countries for pursuing an ambiguous policy. President Giscard d'Estaing may have gone some way to dispel some of the hostility, but it can hardly have escaped his hosts that his African policy con-tinues to maintain a fine-balance between France's maintain maintain maintain maintain maintain commercial and interests.

Paris election candidates named by Left

By David Curry

PARIS, Feb. 15. THE THREE parties forming the French Union of the Left have agreed on the names of candidates to carry their joint colours into the Paris municipai election next month. They will support 44 Communist candidates, 43 Socialists, nine Radicals of the Left and a ne people of left-wing views but no formal affiliation to contest the 109 Paris seats.

More narrowly, in the nine arroudissements where the Left is given a chance of winning, it will field 27 Communists, 21 It will field 27 Communists, 21 Socialists, five Radicals of the Left and four unaffillated left-wingers. The Communists have won their battle to head the lists in all five of the arrondissements where the Left won last time round, but Socialists will lead the battle in three of the other four constituencies

will lead the battle in three of the other four constituencies which the Left could win.

The Communists had accused the Socialists of trying to encroach on traditional areas of Communist strength on the basis of their much improved electoral performance over the past few years and relative decline of the Communist vote.

Meanwhile there is speculation that M. Chirac may, if he demonstrates his political power by bringing his lists in well ahead of M. D'Ornano at the first round of voting, stand down in favour of a compromise candidate.

Norway-Soviet fishing row

By William Dullforce BRITISH fishermen may be indirectly affected by the cooling in diplomatic relations between Norway and the Soviet Union. Although Mr. Soviet Union. Although Mr. Knut Frydeniund, the Norwegian Foreign Minister, said here to-day that he had received no indication that the Soviet Union was breaking off the talks between the two countries on the Barents Sea fishing, the Russians did not resume the talks at the end of January as scheduled.

A halt to these talks could

A halt to these talks could delay Norway's negotiations with the EEC on reciprocal fishing rights.

A Norwegian newspaper re-ported to-day that the Soviet Union had broken off the talks following the expulsion by Norway of six Soviet citizens, including four diplomats and the Tass correspondent, charged with illegal activities.

Irish torture and police issues take new turns in Dublin

ives—known as the

rom bloc positions."

THE TWIN torture questions when interrogating IRA suspensions which have been dogging Angle- To-day, in the second of a three Irish relations of late, to-day took part series it is running, the a new turn. The Dublin Govern- Irish Times instanced further than the product of the control of t

ment confirmed reports from cases where such methods Strasbourg that the European allegedly carried out. Human Rights Court has decided The allegations, in spite o Human Rights Court has decided The allegations, in spite of the to pursue the controversial tor unfortunate timing of the row are being welcomed in some ture case brought against Britain are being welcomed in some over the security forces interrogation methods in Ulster in 1971.

At the same time, the Irish occasional police brutality which cabinet is understood to be on in recent months has been cause the point of announcing the ing growing concern. Although formation of an independent the Irish are quietly pointing our complaints Board to study the that the methods which may recent chairs of allegations of have been used by some police. complaints beare to story the institute methods which may recent spate of allegations of have been used by some police. Garda police bruislity triggered men are hardly the sophisticated by a series of revelations in sensory-deprivation technique ireland's leading daily news employed briefly in Ulsier, a According to Dublin officials, nevertheless keen to demon-the Human Rights Court which strate that brutality will not be heard torture charges by Ireland tolerated.

against Britain last week in The setting up of an inde-

formed both Dublin and London dent review authority may not on Friday that it would be proceeding with the case on all five Elements inside the Irish Garda,
main counts. The next session are known to resent the idea, All,
of the Strasbourg court is exthe same time, the force's rank
pected to be from April 19-22. and file is currently debating. ected to be from April 19-22. and file is currently debatin But the Irish Government has whether it should form itse been embarrassed by the coinci- into a trade union or a state dence of allegations that the association. Clearly, with the Republic's plain-clothes detec government opposed to it tives—known as the heavy creation of a Garda trade unio "—employ similar physical a complaints machinery could be psychological techniques a bargaining counter.

Yugoslavia hits at West over dissident campaign

FUGOSLAVIA to-day accused abroad in a campaign to include the West of "poisoning the Yugoslavia among Soviet blor atmosphere" for the forthcom-countries accused of violating ing review of the 1975 Helsinki human rights. Mr. Jjilas ha Conference on European Secu- said up to 00 political prisoner rity and Co-operation by dwelling are in Yugoslav jails. on the issue of human rights. The Soviet Union and Czecho

In its counter-offensive against slovakia have levelled similar!' dissident movements in Yugo charges against the West in a 's slavia and elsewhere in Eastern clear attempt to blame others: Europe, the Communist Party for human rights movements of newspaper Borba said in a combegun by their own citizens. mentary that Yugoslavia rejected Meanwhile. Soviet dissidents of the imposition Andrei Sakharov has said that or of its population of the Western an army of KGB political polices:
concept of liberty.

If outsiders were unwilling to dissident movement to keep the army of the second s cept Yugoslavia's brand of from speaking out on human

independent Communism, Borba rights violations.

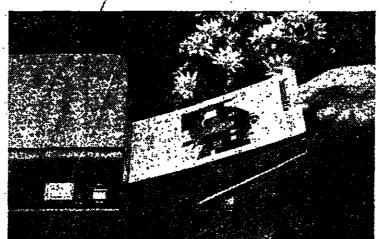
said, "this is not a reason for Professor Sakharov said the said." anyone from abroad to strive to arrest of three leading dissidents of denigrate our system or to this month was part of an efforted undermine our independence to stifle the movement's voice to before the follow-up conferences: Yugoslavia-bas accused writer in Belgrade in June on the in Milovan Dilles and other dissi Helsinki agrement. dents of being directed from UPI

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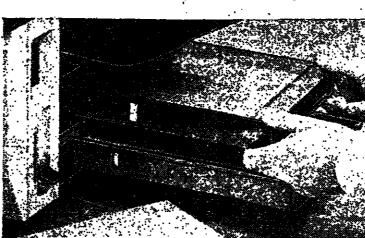
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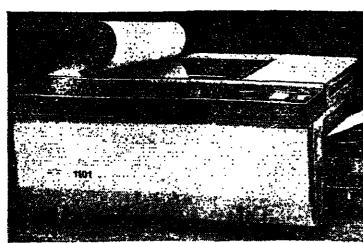
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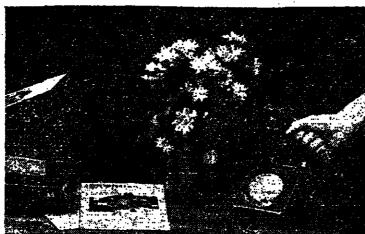
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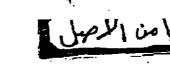
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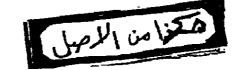
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Waldheim hopeful on N-test ban accord

. By David Egli

GENEVA, Feb. 15. MPROVED prospects for the conclusion of a comprehensive nuclear test ban were referred to here at the opening session, after a five-month recess, of the Geneva Disarmament Con-

In a special message to the In a special message to the 31-nation gathering, Mr. Kurt Waldheim, the Secretary-General of the United Nations, noted that both the Soviet Union and the United States, recently had indicated a willingness to overcome the long-standing impasse with regard ton on-site inspections. There seemed, he said, " to be now a greater readiness to reach an accord in this area which could have a major positive impact on the international

The positions of the two super-powers were less explicit. The U.S. delegate, Mr. Leon Sloss, acting director of the U.S. Arms Control and Dis-armament Agency, noted that his Government was currently re-examining numerous arms control and disarmament control and disarmament issues, including the question of a comprehensive test ban which would finally outlaw underground testing:

The complete and effective prohibition of chemical weapons is also considered a high priority task here and the U.S. has undertaken to comment on specific aspects of the draft convention, presented by Britain last August, on the prohibition of the development, production and stockpiling of chemical weapons and on their destruction. It was noted that bilateral consultations between the U.S. and the Soviet Union were continuing in an effort to this question.

Reflecting the new approach f the Carter administration, it is expected that there will be greater emphasis in the cur-rent series of disarmament meetings on a reduction in international traffic in conventernational trained and to the United Nations, the accumulations of arm beyond the needs of legitimate defence," now absorbs some \$350hn. annually. A significant proportion of this global figure is now absorbed. Mr. Waldheim noted, in conventional weapons in areas of the world where until recently, the arms race was relatively unknown.

Spain police believe main terrorist group is broken

now believe they have broken up Supreme Council of Military Sen. Conesa declined to be one of the country's main Justice, without the need to em- drawn on the pace of police interrorist groups. In an extensive ploy weapons. report made public late last night, they revealed that 38 people have

SPANISH a been arrested for their part in a series of bombings, police killings and kidnappings which cul-minated last Friday in the rescue two top officials who were being held hostage.

The entire responsibility for these events is placed on the Reconstituted Communist Party, an extreme Left-wing faction, and its military arm. Grapo. Besides the arrests, police have seized nearly 340 kilos of explosives together with a quantity of arms and propagands.

Sen. Roberto Conesa, the police chief who was brought in to head a special anti-terrorist squad, said at a Press conference that

APART FROM five men still Council of State, and Lt.-Gen. ascertain the full extent of being hunted, the Spanish police Villaescusa, President of the Grapo's activities.

of Communist Party chief Santiago Carrillo by issuing him with an identity card and a passport, his family said yesterday, UPI reports from Madrid. Sr. Carrillo, 62, had been harred from Spain since the end of the civil war in 1939. Last year, he vainly applied for a passport in Paris and for permission to return home. He then travelled clandestinely to Madrid where he was arrested in December, charged with leading an illegal party and released on bail one week later.

Under questioning, arrested terrorists might have had conbetween the two sides last night,
Grapo members had produced tacts with foreign groups, but it was learned that areas of
the information which had the police did not believe so, difference were relatively small
enabled police to rescue Sen. However, more comprehensive and no further talks on the subAntonio Oriol, President of the investigations were needed to ject were planned.

vestigations into the murder of a student and five Communist SPANISH authorities have Party lawyers three weeks ago in formally legalised the status Madrid, but be hinted that progress was being made.

The length, detail and confidence of the police report on Grapo was obviously designed to calm fears about the apparent threat posed by terrorism to the Government's liberalisation programme. It was also spurred by the scepticism, not yet wholly dissipated, of the original police version immediately after the two kidnap hostages had been

Meanwhile, Prime Minister Adolfo Suarez and an opposition negotiating team seem close to compromise agreement on the while members of Grapo might

The authorities also stressed terms of the electoral law which behave like wild animals in the that there was no other organi-will regulate the general electres they became as docide as sation behind the Reconstituted tions due to be held before the "little lambs" once in custody.

Communist Party or Grapo. The end of June. After a meeting Communist Party or Grapo. The end of June. After a meeting terrorists might have had con- between the two sides last night,

Doctors strike in Saxony

BY ADRIAN DICKS

SEVERAL HUNDRED doctors fund established by the doctors the liberal professions, are

federation in the mainly rural They have also furiously attacked ment." Oldenburg area, and to independent reports, the federation's dent reports, the federation's dent federation's dentity and dentists to both of the Bill and of a parallel opinion that their motives are close their practices for the day was widely followed. Home visits old age pension scheme back they and the pharmaceutical integrations of the solutions of the pharmaceutical integration.

and dentists went on strike in Lower Saxony to-day, the second such militant protest in a week against the West German Government's attempts to control the soaring health costs that have contributed to the threatened bankruptey of the entire social security system.

Find established by the doctors are among its supporters. Meanwhile, there is little sign that the doctors and other well-building material, and other well-building material, public support. Many West Government with trying to shocked that they should strike, especially while protesting so manner that would, they claim, noisily about the threat of socialism. Herr Ehrenberg unpatient relationship, destroy patients' freedom of choice and sympathy when he accused them According both to the doctors' affect standards of treatment of trying to "blackmail Parliaaderation in the mainly rural Thou have also furnished to the doctors' affect standards of treatment of trying to "blackmail Parlia-

was widely followed. Home visits on age pension seneme back mey and the pharmaceutical into seriously-ill patients, however, into long-term financial balance, dustry have done very well out were carried out and skeleton. On the eve of a Cabinet meet of a system—essentially State—emergency surgeries organised in which what it has increased in the state of the less financed—that has increased in the state of the less financed. emergency surgeries organised by the Red Cross.

The Government now appears to face a united front of doctors, dentists, pharmaclets and drug companies against its Bill to connounles the increase in health costs. Neither the doctors' organisations nor the drug industry have denied a report in Die Welt this morning that pharmaceutical manufacturers had contributed more likely to forget that many doctors among the very highest generously to a DM20m. fighting of them, like other members of earners.

EEC fish

stock protection details

BRUSSELS, Feb. 15. THE FOLLOWING are the

details of the fishing conservation measures adopted by Agriculture and Fisheries Ministers of the EEC in Brussels yesterday.

 A total ban on herring fis ing in the North Sea from February 28 to April 30. Decision on the remainder of

the year to be made by the Council in the light of scientific evidence on the state of herring stocks.

 A total ban on Celtic Sea berring fishing from March 1 to the end of the year. Commission to study pos-

sible bans on other herring fisheries off the Irish coast. Closure of an area to the north and east of Scotland to industrial fishing for fish meal (the co-called Norway pout box), initially from February 28 to April 30. The size of the box to be closed to industrial fishing from August 1 to be determined by the Council in the light of scientific informa-

This was a key element in compromise, reconciling the Danish demand for a smaller box, to allow more industrial fishing, and British insistence that if had already compromised far enough. British officials are confident

that scientific evidence will back their claim that the present size box. if not a larger one, is essential to safeguard whitefish stocks.

 Industrial fishing is to be subject also to a reduction in the maximum whitefish bycatch tolerance to 20 per cent. (from 25 per cent.) from April 1. Commission to put forward subsequent by-catch proposals (the U.K. originally pressed for a 10 per cent. tolerance, and only 5 per cent. of immature whitefish) before the end of May.

. Strict limits on the activities of factory ships outside the Community's 200-mile

The Commission is to judge whether the Irish unilateral ban on larger ressels is nondiscriminatory. But French sources suggested here to-day that only about 100 out of some 400 mainly Breton vessels fishing off Ireland would be affected. Welsh fishing boats working out of Milford Haven should also be generally exempt. The Dutch fishing fleet seems likely to be the

TURKISH POLITICS

A coalition split all ways

POLITICAL uncertainty and an allocation of about \$1bn. in the has got wind of something from air of impending crisis prevail budget for heavy industry protection of in Turkey, the outcome of which is all but impossible to guess.

The coalition of Mr. Suleyman Demirel is split. It is a moot squestion whether it is still a generally got what he wanted.

Under these circumstances it is difficult to believe that Mr. Council delivered a letter to be able to settle control over his partners and so independently do each act. The split arises from the structure of the control over the four-party coalition.

The leaders of the three other

parties in the Government with Mr. Demirel's Justice Party are Matters are getting out of Gen. Ozaydinli spoke for the The leaders of the three other Mr. Demirel's Justice Party are Matters are getting out of Army as a whole, or what he is all Deputy Prime Ministers. hand, but nobody knows going to do if he is disregarded. Ministries have been divided up hand, but nobody knows the fact that he felt Ministries have been divided up among the four and have degenerated into autonomous, partisan parishes. Co-operation and co-ordination among Government agencies is weak and conflict and tary intervention, early significant and a reminder that the felt strong enough to make this political move (and leak it to the Press personally) is significant and a reminder that the felt strong enough to make this political move (and leak it to the Press personally) is control agencies is weak and conflict and tary intervention, early when matters get out of control tary. such an extent that the Governsuch an extent that the Govern

and the Government exists only in appearance," according to Mr. Bulent Ecevit, the main opposition leader and chairman of the biggest party, the social demogratic Republican People's Party (RPP).

ago.

The carnage among Turkish students has added a taint of crisis to the coalition's problems. About 130 students have been killed and over 1,000 wounded in armed clashes between Loft and carnage among Turkish students has added a taint of crisis to the coalition's problems.

cratic Republican People's Party (RPP).

Although the 23-month-old coalition calls itself the "Nationalist Front" (against Communism) it is in reality a confederation of fronts. What revived and talks are underway rounded with many faculties closenfederation of fronts. What has kept it intact so far is the desire of all to remain in power until the General Election, scheduled for next October, and to campaign from a position of strength. In the meantime, each party is busy using the spoils of authority to strengthen its elections between the coalitions performance has the coalitions performance has the coalitions performance has the most feasible and the coalition in the m

such an extent that the Government has no consensus about any of the major domestic and international problems facing Turkey.

"The coalition no longer exists and a new coalition: all self ousted by the Army six years and the Government exists only are among the possibilities."

The carnage among Turkish

toral backing.

In scores of small and big ways possibilities endies and the Ankara cocktail circuit.

The split between Mr. Demirel the coalition's performance has on the Ankara cocktail circuit.

The split between Mr. Demirel the coalition's performance has on the Ankara cocktail circuit.

The split between Mr. Demirel the coalition's performance has on the Ankara cocktail circuit.

Probably the most feasible and and mr. Necmettin Erbakan's Islamic business and even the Army have tion, which would avert whattant.

Mr. Erbakan's Islamic business and even the Army have tion, which would avert whattant.

Mr. Erbakan's Islamic business and even the Army have tion, which would avert whattant.

particularly visible and important. Mr. Erbakan's Islamic business and even the Army have tion, which would avert whatevivalist National Salvation shown signs of displeasure. A ever crisis may be looming ahead most indispensable of Mr. it is being debated whether Mr. Demirel's allies. Although the Demirel will be able to keep Both Mr. Demirel and Mr. NSP controls fewer than 50 seats in the 450-member the General Election seven assembly, less than a third of Mr. Demirel's pro-private enterprise Justice Party, Mr. Erbakan months hence.

Mr. Demirel's pro-private enterprise Justice Party, Mr. Erbakan reprise Justice Party, Mr. Erbakan reprise Justice Party, Mr. Erbakan Republican Reliance Party other party leaders, excluding the Republican Reliance Party other party leaders, excluding willing. It is difficult to be willing. It is difficult to be willing. It is difficult to be optimistic on this count, however, because in the past Turkish parties have rarely managed to achieve unselfish co-operation.

Mr. Erbakan and Mr. Demirel and Mr. Demirel to which would avert what tion, which would avert what tever crisis may be looming ahead and which might inject new vitality into Turkish democracy. Both Mr. Demirel and Mr. Ecveit, who has been surprisingly ineffectual in his role as main opposition leaders, cautiously said that they may consider an election in June. All other party leaders, excluding the Republican Reliance Party of the party leaders, excluding the parties proton the parties and the partners stop continuitie on this count, however, because in the past Turkish parties have rarely managed to achieve unselfish co-operation. In any case, nothing dramatic feed to the partners beginning of next month when the past busines and even the ever crisis may be looming abead and which might the ever crisis may be looming abead and which might the ever crisis may be looming and which might the ever crisis may be looming the ever crisis

circumstances.

Could survive his resignation, but is likely to happen until the barrier psychologically it would be a beginning of next month when the 1977 financial year budget have kept together by what blow.

In a sinister note in Mr. Feyzioglu's thing all parties want to see out counter-blackmail, most of it a sinister note in Mr. Feyzioglu's thing all parties want to see out being done by the former. In threat to quit—the Defence of the way. After that, in the latest instance, Mr. Erbakan Ministry is a Feyzioglu parish words of a Western diplomat, forced Mr. Demirel to make an and it is being asked whether he "anything can happen."



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Arafat appeals for Arab move to restrain Syrians

BY IHSAN HIJAZI

Chinese gold sales suggest payments balance problems

BERRUT, 188. IA.

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Top leadership in Yunnan province reshuffled

BY COUNA MacDOUGALL

IMPORTANT changes made by Peking in the leadership in Yunnan province indicate that a substantial purge in the pro-vinces may be on the way. The top party and Govern-

Ping sheng, hitherto head of the adjoining province of Kwangsi. Although the holder of the key post of regional military commander remains unchanged, the new provincial head has also been given two senior military posts in Kun-ming, the provincial capital. The distribution of jobs her tween both civillan and military argues that power is still evenly halanced between the

two sectors. At the same time, three lower-level officials were appointed to the province's party and Government administration, one a former party secretary from Shanghai who lost his job in 1966 when the radicals, now under attack as the Gang of Four, first came to power there. The other (we are senior officers from the Kun-

ming military region. Yunnan has reported serious factional troubles over the past year or so. The reshuffle is evidently part of an effort to restore order in a situation which the central Government regarded as serious enough to summon the leaders to Peking for a conference.

The Gang of Four was earlier reported to have had a "faithful follower "in Yunnan. The displaced provincial head, whose current fate has not been reported, mentioned last November (bat rumours and posters attacking Chairman Hua Kuo-feng had been circulating. Unrest in the province is the more serious because of its position along the border with Vietnam, Laos and Burma. In the national context, the

reshuffle in Yunnan is important as it is the second extensive provincial leadership change since Hua's accession to power. The first was in Shanghai where the Gang of Four and its adherents were dismissed. The latest move suggests

that Peking's control of the provinces is rightening. How-ever, a People's Daily com-mentary at the end of last week, which stressed the need for party consolidation, said frankly that "some places" were seriously affected by the Gang of Four and "struggle in those places was relatively complicated."

Sri Lanka ended

COLOMBO, Feb. 15. SRI LANKA'S six-year-old state

ban on this group has also been

sealed three years ago when it

mediator in E. Africa

By John Worrall NAIROBI, Feb. 15, THE NIGERIAN Commissioner or External Affairs, Brig. Joseph Garba, is in East Africa to mediate between Kenya and Tanzania in the bitter dispute which has arisen between them

tween Tanzania and Kenya is an attempt by Tanzania to hinder Kenyan trade with Zambia Several Kenyan lorries, which had passed through the Tanzanian border before the closure on their way across northern Tanzania to Zambia, have been held up. There are reports here

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AUTHORS WANTED BY N.Y. PUBLISHER POLITICS IN WEST BENGAL

Divided Congress machine se begins to lose its grasp

For industrialists the emergency has brought higher productivity. But labour is bitter about the loss of the right to strike, the drop in wages that followed the abolition of bonus payments, lay-offs of temporary" workers, and in recent months the rise of living costs. Isolated wildcat strikes have taken place in the Bengal-Bihar heavy industry belt, and in the depressed textile and jute in-

general strike we wanted," says Mr. Jyoti Basu, the CPM leader and a former Deputy Chief Minister in Bengal when the party was in power in the late 1960s. The election is giving the CPM the opportunity to reform its organization, which was shattered by the violence of 1972. On Mr. Basu's figures 16,000 party workers, driven away four years ago by Congress youth gangs, are still prevented from returning to their homes or work. Congress officials in part confirm his account. Mr. Subrata Mukherjee, the state Minister for Information, recently gave a private warning that if the

CPM tried to return to his Bally-gung area of Calcutta they would be beaten up. In free and fair elections the cPM would sweep home with a majority, Mr. Basu claims. But he recalls the violence of the last elections and how Congress kept the opposition from the polls or stuffed ballot boxes with false papers. He says that pattern could be repeated, conveniently forgetting that the CPM used the same tactics of violence and in-

timidation in the 1960s. None the less, the CPM's popularity is conceded by Mr. Congress run National Labour Co-ordination Committee and a senior party official. He doubts whether Congress workers would vote for Mrs. Gandbi in a secret of emergency will end to-morrow all of emergency will end to-morrow all of emergency will end to-morrow all of and, what is more important, believes that the CPM has made deep inroads in the countryside. About 30 of Bendor believes have been scheduled mr. Kanta Bose is one of the

depressed textile and jute industry.

At the end of last year there was a major, if unpublicised, strike in the tea plantations, which have been booming as prices have risen. "But we have not been able to organize the general strike we wanted," says in the s

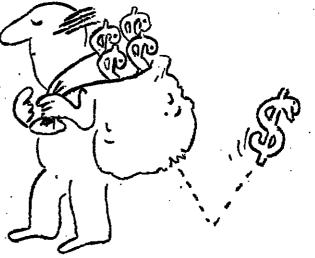
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MR. CYRUS VANCE, the U.S. The real prospect that Mr. Rabin's close Cabinet allies. They Sccretary of State, arrived here Yitzhak Rabin will no longer be were named yesterday in a Tel to-night for the first leg of a Prime Minister after the vote Aviv court confession as the Middle East tour to seek the out-appears to underlie Mr. Vance's alleged solicitors of and conduits lines of a commonly acceptable talks. In contrast to most of for cash contributions to the approach for reviving Arab-Dr. Henry Kissinger's visits here, party, which were originally Israeli peace talks. His tour will his successor has asked to meet gathered as bribes and kick-back

also take him to Egypt, Lebauon, separately Mr. Rabin and Mr. money three years ago.

Jordan, Saudi Arabia and Syria. Shimon Peres, the Defence While Mr. Rabin was not perIsraeli officials, who will begin Minister, his rival for the Labour sonally implicated, his Finance

a day of discussions with Mr. Party leadership, which is to be Minister and principal party Vance to-morrow, believe that decided next week. mentor, Mr. Yeboshua Rabinothe Carter Administration expects to implement no new initiative before the Israeli general visit by the strong whilf of duties until the allegations are election here in May.

Oil imports Moroccan rebels jailed BY OUR OWN CORRESPONDENT CASABLANCA, Feb. 15.

HEAVY prison sentences were can Jew and mining engineer. imposed to-day on 176 Marxist-Formerly a militant of the out-Leninists convicted of plotting lawed Moroccan Communist to overthrow the Arab Kingdom Party. Serfaty was to have been of Morocco and set up a republic, the first president of a Moroccan After a six-week trial, 44 of republic after the violent overthe accused were sentenced to throw of King Hassan II, accordlife imprisonment, the maximum ing to the prosecution.
penalty, and the remainder to The prosecution said the
prison terms ranging from five plotters indoctrinated students
to 30 years. In addition, all the and intellectuals in Marxist.

The Ministry said to \$4 735 bp. up by 29.9.

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Tomor. The Survey
The ROYAL BALLET
Tomor. The ROYAL BALLET
The ROYAL BALLET
Tomor. The ROYAL BALLET
Th

137 accused present in court (39 Leninist dogma, and had planned amounted to \$4.735bn. up by 29.9 others were tried in absentia) to set up an underground Red per cent. over the same month were sentenced to two years in Army to overthrow the 1,000 of last year, and imports cost prison and fined 5,000 dirhams year-old monarchy.

each for contempt of court by The accused—most of them imports of crude oil for the

THEATRES

signing letters to public officials young teachers, student leaders month rose by 29.1 per cent. in which they described and technicians—were convicted Moroccan justice as Fascist. of plotting against the regime, The leader among those incitation to civil war, forming awarded the maximum penalty illegal organisations and forging was Abraham Serfaty, a Moroc- official documents.

upset Japan trade balance

JAPAN had an unfavourable

TOKYO, Feb. 15.

THEATRES

PRINCE OF WALES. 01-930 8681.

Eygs. 8.0. Fri., Sat. 6.0 and c.45.

MICHAEL CRAWFORD

MICHAEL DOTRICE 'n

SAME TIME NEXT YEAR

"SIMPLY GREAT." Daily Mail.

"TRIUMPH FOR CRAWFORD." D. Exp.

emergency

By Mervyn de Silva

local bodies have been scheduled for next month.

The President can still declare an emergency but he will have to summon Parliament, which has been prorogued until May has been prorogued until May 19. The emergency was proclaimed in March 1971, when a Marxist youth organisation, the launched an insurrection.

removed.

The Sun group's presses were supported a mass protest organised by the Right-wing UNP. he main opposition Youths belonging to a separatist Tamil movement who were detained under the emergency

Nigerian

The Tanzanians have closed their border with Kenya and held up large numbers of Kenyan vehicles and light air craft. Brig. Garba arrived here to-day from Tanzania where he had talks with President Julius

that some lorries had been

Air France prospects 36/37 Farming and Raw Materials: Threat of California drought ... 39

معنامن الرصل

Tomor. 5.1: & Tue. 7.30 Katya Kabanova.
COVENT GARDEN. 2.30 1066 (Gardencharse-credit Card booking. 836 6503).
The ROYAL Ball.
Tonight, Fr. Sat And Mon. 7.30: The
Taming of The Shree
THE ROYAL OPERA
Tomor and Tues 7.30. Un ballo in
masthera. 65 Amoni soats for all perfs
on Sale from 10 am. on day of perf.
COVENT GARDEN SUNDAY CONCERTS
Sunday at 8 p.m. Elisabeth Scharzkopf.
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SADLER'S WELLS TH. Rosebory Ave. FC1 "TRIUMPH FOR CRAWFORD." D. Exp.
QUEEN'S. Q1-734 1166. Evenings 8.Qu
Mat. Thur, 3.00. Sat. 5.00 and 8.30.
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in YAHOO
"Spelibinging theatre." D. Tel. "Alec
Guinness is utterly compelling." Gdn.
RAYMOND REVUEBAR. Q1-734 159.
At 7 p.m., 9 p.m., 11 p.m., 100ens 5un.)
FAUS. RAYMOND presents
OF ERGILCA
FULLY AIR-CONDITIONED You may
durin and smoke in the Auditoriu 10.
REGENT. 327 2707. Evenings 8.30 FORTUNE, 836 2238. Mon.-Frl. 8.00.
Sat. 5.00 and 8.00. Mat. Thurs. 3.00.
AVRIL ANGERS and DEREK BOND in
AGATHA CHRISTIE'S
MURDER AT THE VICARAGE
2nd GREAT YEAR SADLERS WELLS TIM ROSENERY AVE. ECT B3. 1572 Last Two Weeks. D OYLY CARTE IN GILBERT and SULLIVAN. Eves 7.30 Mar Total and ST. 2.30 Today COX and BOX and THE PRATES OF PENZANCE TOWN. Fil. Sat. Mon. and The PRINCESS IDA. GARRICK THEATRE. 01-835 4601.
Evgs. 6.00. Fri.. Sat. 6.00 and 6.40.
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" side-splittingly tunny (Daily Mail) in
FUNNY PECULIAR
" More good laughs than any other play
in London." Observer
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OVER 1.000 PERFORMANCES
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Evenings All Wed. 2.30 Sat. 3 and 8
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in Ben TRAVERS
"MILARIOUS SUCCESS." DIV. Telegraph.

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Evenings & Mats. Tocs at 2.45
Evenin ADELPHI THEATRE 01-836 7611.
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ROARS OF APPROVAL." D. Telegraph. HER MAJESTY'S. 930 5606. Evs. at 8.0. Fel. and 521 5.45 and 8.30. The state of the O'CHE SWILD OATH MOST AND CONTROL OF Znd GREAT YEAR.

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MON. 15 NOT. 5.0 8.745 Fn 7.45. Sets. 2.0. 3.0 8.50 Sob to £2.20 Children & Senting City Income Sats 2 8.5 Advance Booking at Main Box Omce in Wembley Conference Centre 1902 12341 Of par at doors America Parking WRITEMALL. 01-930 6692 Evgs. 8.0. ALF THOUGHTS OF CHARMAN ALF by Johnny Speight with Warre Mirchell. Winner of the 1976 Ev Standard Comedy Award. It's bloody funny "S. People." The appeal of it is appalling." D. Tel MERMAID. 248 7656 Food 28 2835.

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over the collapse of East African Airways (EAA).

Nyerere.
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looted by Tanzanian soldiers.

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exchange control regulations and meeting Government-imposed

AMERICAN NEWS

teel union presses wage, it spob security claims in talks

with 18 craft unions cover828.000 workers, telephone respectable income for life."

The union has given no indications with 735,000 The union, is seems, is pressing tion of what wages it will demand there, bitumious coal with for a guaranteed minimum but has criticised as an inter-

Young warning on Africa report which drew attention to the high wages in the steel

BY OUR OWN CORRESPONDENT WASHINGTON, Feb. 16

LANDREW YOUNG, the U.S. spokesman said that his remarks in bassador to the United were being "studied."

tions, said last night that the Meanwhile, in an interview in sesians are "playing games" to-day's Washington Star, Mr. north eastern Africa and that Young said he had telephoned in situation there was potentially more explosive than in for his remarks in London over the explosive than in for his remarks in London over the explosive than in for his remarks in London over the said.

His off-the-cuff remarks to that Dr. Kissinger had expected the high wages in the steel industry.

Average earnings in the industry, including overtime and cost-of-living allowances, are around SS as hour.

Renter adds: U.S. steel production for the first six weeks of 1977 was 8.3 per cent below 1976 levels, the Iron and Steel Institute and the production up to February 12 totalled 12,638m. tons. down from His off-the-cuff remarks to that Dr. Kissinger had expected porters at last night's state to be re-appointed Secretary of oner for the President of State after a Ford victory in the

epartment by surprise. A British."

HE CARIBBEAN

Protecting the Press

BY DAVID RENWICK, PORT OF SPAIN CORRESPONDENT

TER TWO years of planning Dominica, St. Kitts Nevis, Grend discussion, the Caribbean ada and Guyana. The Dominican ress Council (CPC) has finally Seditious and Undesirable Publime into being. Based on the cations Act, 1988, allows the tish model, the CPC has been Government to stop the publications. tablished by the Caribbean tion of a newspaper for three blishing and Broadcasting months, or longer, by a simple sociation (CPBA), the administrative order, without the gional body of media administrative order, without the signoral body of media administrative order. the pers and radio and TV stations such prohibition is necessary for

om as far north as the Bahamas the purposes of "defence, public d as far south as Guyana. safety, public order, public The chairman is Mr. Aubrey morality, the protection of the aser, a distinguished Caribbean reputations, rights and freedomi tist and former judge of the of persons and the prevention of inidad and Tobago Appeal the dissemination of false state-turt, now director of legal ments and wilful missepresentalucation the Norman Manley tions of facts prejudicial to the aw School, Jamaica. Manley tions of facts prejudicial to the public interest."

There are 16 other members, In St. Kitts-Nevis, the Press ght representing the public and Publications Board Act, 1971, ur working journalists selected makes it an offence to "write, newspapermen's associations print, publish, circulate, self or the region and four media distribute mutter that is deemed anagers from the CPBA. anagers from the CPBA. to be, among other things, "scut The appearance of the Press rilous seditions or blasphemous

mucil is an acknowledgement or which, in relation to the CPBA members that, in a Government of any member of irl of the world served by at it is false, spindalous, and maliast 13 different Governments, clous with the intent to bring the ere can be no guarantee that Government into batred ridicule. I public authorities, or even or disrepute" or which is "inmajority of them, will contended or calculated to malign or the to respect the Western injure the reputation of the incept of Press freedom that state, or to bring the name of the last inherited as part of the state into contempt, hatred or ritish colonial tradition. The Grenada Newspaper

The Council is a reaction to

The Grenada Newspaper

ne gradual encroachments that
tany Governments of the Carib
tany Government of the Carib
tany of these encroachments bonds, with the Accountant
tre made in the guise of acting
the public interest, such as order to satisfy any judgment for
he heavy bonds that some
the heavy bonds that some
the live against the printer,
aricon states now require newspublisher or proprietor of a
apers to post before they can newspaper or any writer therein." arcom states now require news publisher or proprietor of apers to post before they can newspaper or any writer therein." kist. These effectively threaten. The radical Grenada oppostbe survival of many of the tion party paper. The Jewel, egion's small publishers already mouthpiece of the New Jewel perating, on economic shoe-Movement of young intellectings but have been presented tuals, refused to comply with

trings but have been presented to being necessary to make ewspapers more "responsible" and to demonstrate financial and underground. From oundness in advance of any ossible suits for libel.

The CPBA is acting on the neory that if there is an agency hich can be seen to be willing object and to which members of put the Press's own house in reder and to which members of the public (including Ministers (Government) can turn to have from clandestine locations because it declined to abide by the arream territories contemplations and the provisions of the Publication and the provisions of the Act (it simply couldn't find the money) and went underground. From where it has been appearing sporadically since.

A similar situation obtains in Guyana, where a duplicated foolscap-size publication called foolscap-

restrictive legislation may be ersuaded to think again.

The Press Council is charged in the duty of processing comtaints from the public about ress conduct and, likewise, comtaints from the Press about the induct of people and organisations (including Governments) wards it. The Council is also publisher to pay every fine imposed upon him "by reason of any conviction for printing or publishing any defamatory teedom and to maintain, and A greater threat to Press reedom and to maintain, and A greater threat to Press approve upon, journalistic freedom in Guyana stems from the actual State ownership of the Council's headquarters the Press. Guyana is the only the in Langian and the Council's headquarters the press.

all be in Jamaica, where both Caricom territory in which the Ir. Fraser and the secretary, Dr. Government, as distinct from the secretary of t veroid Hosein, acting director for the lustitute of Mass Communications. University of the lustitute, but it will litempt to sit in different arising paper. The controlled and the only laricom locations from time to sevening paper. The Citizen are aricom locations from time to evening paper. The Citizen, are of me to deal with the matters both State-owned. One of the two from the parent of the two from the practical dimension to its casting Service, is also in the grienal responsibilities.

practical dimension to its agional responsibilities.

The Council begins life at a me when the debate on the role and function of the Press in ARICOM is at its height in many of the territories.

Although the frontiers of frecom have recently been expanded ightly with the decision of remier Vere Bird's Government a Antigua to repeal the laws alroduced by the former Government of the country of the CPBA, because the representatives of the Guyana State-owned media sit in that body alongside representatives of private sector newspapers and radio stations and the two parties, not surprisingly, find it difficult to agree on such fundamental issues as the degree of freedom that must be enjoyed by the Press.

At the CPBA's annual general meeting in Tobago last month.

obtain a licence from the meeting in Tobago last month, abinet before being published the two Guyana representatives and to deposit a \$10,000 Eastern actually walked out after the only actually walked out after the out-aribbesh bond (about £1.990) as going president, Mr. Ken Gordon surety against libel claims, the of Tripidad, said that he was ressures on the regional Press convinced that freedom of the emain severe.

Tight Press laws still exist in in Guyana.

LECTIVE bargaining for a 125,000 workers, railroads with number of hours of work each three-year contract in the 456,000 workers and retail food year for steel workers, regardless three-year contract in the steel industry is under way, in the United Steel Workers are discovered, for cased wages and lifetime job and Price Stability concludes that in labour negotiations will be putting increased plive the 10 largest steel complexes who belong to USW. The negotiations open it is expected to be a year of contracts are due for re-negotianing in the Construction indus-with 18 craft unions cover-sized industry, telephone in in the construction indus-with 18 craft unions cover-sized industry telephone in in the construction indus-with 18 craft unions cover-sized industry telephone in the construction indus-sized income for life with a decent, is pressing in the business of fluctuations in the business of fluctuations in the business ocycle. The union is likely to press also for improved pension benefits, such as a cut from 36 years to 20 years in the qualifying period for a pension, and perhaps a special provision for early retirement of workers whose plants are to be closed or whose plants are to be closed or whose jobs are threatened by technological change.

Important details remain to be contract settlement must go to binding arbitration.

The union is seen in the business of fluctuations in the business ocycle. The union is likely to press also for improved pension benefits, such as a cut from 36 years to 20 years in the qualifying period for a pension, and perhaps a special provision for early retirement of workers whose plants are to be closed or whose plants are to be c

ference in collective bargaining the Wage and Prices Council

Production up to February 12 totalled 12,638m. tons, down from 13,778m. in the 1976 period. Industry sources said the drop in exico appeared, not for the first recent presidential elections and production this year reflects disented to take the U.S. State then "take it all away from the ruptions caused by severe winter spartment by surprise. A British."

weather, which closed some steel

Boeings fitted 'with uncertified parts'

By Jurek Martin

WASHINGTON, Feb. 15. THE FEDERAL Aviation Administration has revealed that uncertified parts have been installed in as many as 100 U.S. airliners manufactured by the Boeing Aircraft Corporation.

The FAA stressed that there was no evidence that the parts were dangerous or substandard, but the fact that they had not received official certification prompted the agency to order the five U.S. airlines flying the Boeing 727s and 737s to remove the parts within 45 days. It is the second case of such a kind to come to light in the

a kind to come to light in the past few days. Over the week-end, allegations were reported that suggested that a much larger quantity of helicopter parts may have been sold around the world with improper tertificates.

In the airline case, the FAA said that the parts in question were mostly electronic, used in

aircraft flaps, slats, flight instrument accessories and air conditioning units.

The agency said that the parts were made by a small company which sells replacement parts to the alreraft industry. Another company, it went on, had issued service tags representing the parts as having been made and tested by Boeing

Falklands have 'brilliant' outlook

British colony in the south-west Office, as set out in the Commons Stanley. Atlantic, is "brilliant." Their timed to coincide with the visit would have to depend on the gross national product rose very to the islands of Mr. Ted Row- provision of an airfield capable Commons on February 2 was unrapidly last year as a result of lands, the Minister of State at of taking medium-range airliners, expected, caught the proposited potential in Scharles to the FCO. Mr. Rowlands is due he contended. Mr. Christie Falklands lobby relatively unaversaged potential in Scharles. exploited potential in fisheries, to fly to the Falklands this morn- added that the conduct of officials prepared and aroused relatively

THE ECONOMIC future of the contrast to the gloomier view of sion not to proceed with the siders a sell-out to Argentina, Falkland Islands, the isolated the Foreign and Commonwealth expansion of the airfield at Port may well be the start of a more active debate about the future

exploited potential in fisheries, to fly to the Falklands this mornal large.

This was stated in London yesterday by Mr. W. Hunter Christie, who shared a Government, such as giving it rising, the fortunes of the Falkland Islands Company was prosting the U.K. Falkland Islands Company Mr. Ralph Merton, managing a passenger service by ship there in the political of the opinions of the 1,900 Mr. Mark Mitchell, secretary of the state oil company, was tantalisanders and counter the influence of Argentina, which claims sovereignty over the territory.

His optimistic forecast of the synthesis of the Falklands of the political properties of the British Government's deci
This was stated in London Buenos Aires.

Occurrence to the Argentine With the price of wool still occurrency in the Argentine Government, such as giving it rising, the fortunes of the Falklands Islands Company was prostone to the islands, failing to provide pering, and there is speculation that its trading profits in the director of Alginate Industries, and seeking to give control of islands last year could be up to five times the sum of around the state oil company, was tantafinence of Argentina, which (a subsidiary of Charrington the state oil company, was tantafinence of Argentina, which (a subsidiary of Charrington the state oil company, was tantafinence of Argentina, which (a subsidiary of Charrington the state oil company, was tantafinence of Argentina, and there is supplies to YPF, the Argentine With the price of wool still with the price of wool still with the process by air lands Islands Company that its trading profits in the territory.

His optimistic forecast of the expressed great disappointment the instant plands was prosculation to the islands of the state oil company, was tantafinence of Argentine of the Falklands, and seeking to give control of islands last year could be up to five times the sum of around the state oil company, was tantafinence of Argentine.

Falklands' future came in sharp at the Falklands, the first plands of the Fal

U.S. fails to stop German nuclear deal

NUCLEAR talks between the U.S. and W. German Government over the sale of German nuclear and Brazil either to delay or call for a ban on the transfer of Germany guaranteed supplies of and Brazil have involves not only the sale of contract, which involves not only the sale of contract signed up in 1975.

But talks, nonetheless, are to continue, while the U.S. tries to processing spent nuclear fuel.

The Carter Administration has to produce nuclear weapons.

Mr. Carter has argued strongly have offered both Brazil and for a ban on the transfer of Germany guaranteed supplies of contract which involves not only the sale of countries that possess such technologies in the processing spent nuclear fuel.

But talks, nonetheless, are to processing spent nuclear fuel.

The main U.S. objection best technologies to Brazil until nations to tighten the terms of sales to nations which—like grounds that these so-called Brazil—refuse to sign the Non-Proliferation Treaty.

The Carter Administration has to produce nuclear weapons.

Mr. Carter has argued strongly have offered both Brazil and on the transfer of Germany guaranteed supplies of countries that possess such technologies in the processing and those that do not. The drop that part of their countries that possess such technologies. Alternatively the U.S. because it is considered to is reported to have urged the breach the tighter non-prolifera. Germans to delay the transfer of the processing facilities, on the drop that part of their countries that possess such technologies. Alternatively the U.S. because it is considered to is reported to have urged the breach the tighter non-prolifera. Germans to delay the transfer of the processing facilities, on the drop that part of their countries that the new these technologies to Brazil until arrangements had been discussed During talks here last week for the proposed regional centres for nuclear fuel processing, under the drop that part of their countries that the proposed regional centres for nuclear fuel was provided to processing

How could the world's best small interactive computer system be improved?

The System Ten, developed by Singer Business Machines, is acknowledged to be the world's most capable small interactive computer system in its price range.

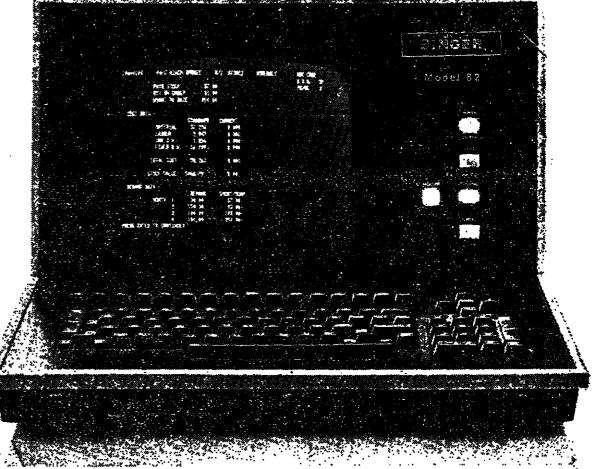
It is so simple that you can converse with it in plain language: a novice can learn to program and operate it in days. Yet it is so powerful and versatile that it allows several people to use it for quite different jobs at the same time: for each of them the computer behaves as if it were entirely their own. Thousands of System Ten users around the world are enjoying these benefits. How to improve on them?

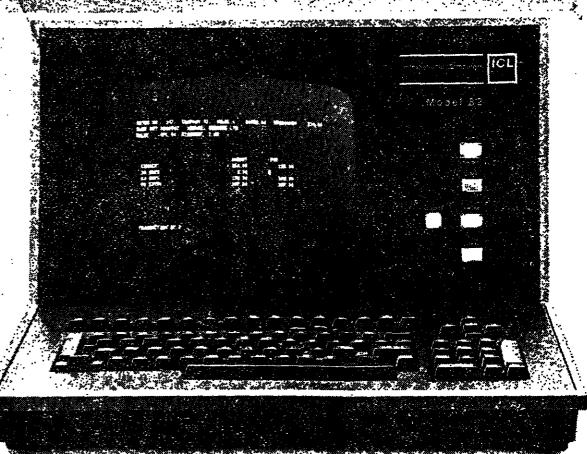
Only by adding improved facilities, more power and the strength of Europe's leading computer company: ICL.

In 1976 ICL acquired the international operation of Singer Business Machines. Since the acquisition, ICL has been working to improve the System Ten. The result? **The System Ten 220 Series,** which now offers increased processor speed, better disc handling facilities, greater store capacity and improved store flexibility. The cost? ICL has actually reduced the basic price of the new System Ten to under £20,000. This means more work at less cost

With the full library of ready-written, ready-to-use application packages available in the UK, the System Ten 220 Series can be quickly harnessed to your work - speaking your language - giving you an immediate access to files and fast response to your enquiries. Your staff will find how easily the system can be used to process your orders, print out despatch documentation, monitor your creditors and cash flow, schedule your production and re-order your stock – in fact almost every operation that you need to conduct your business.

You can be confident in choosing a System Ten 220 Series computer because it now has the strength of Europe's most successful computer company, ICL, behind it. This means access to the best engineering, support and training services anywhere in the world. And the assurance that comes from choosing a supplier with a secure future. Thanks to ICL a good computer system is now even better.





If you would like more information on the System Ten 220 Computer, or a demonstration of its capabilities, please tick the appropriate box, complete the coupon and send to:
(North) David Marland, ICL, Alberton House, St. Many's Parsonage, Manchester M3 2WP or ring Manchester (061) 833 9111. (South) Alan Morris, ICL, Pembroke House, Wellesley Road, Croydon CRD 3QP or ring 01-686 2566. more information demonstration
Company System Ten Telephone: Telephone:

New Courtaulds initiative in Far East markets

Over the past three years the now make the company's goods on top of other indications by company claims to have boosted competitive, it is being claimed. Courtaulds of its increased export earnings in the area by The company's main business interest in the Far East. The

Courtaulds, which has had a control in groutes.

Courtaulds will be supplying substantial business for some traditionally regarded the area with raw interials, it is inflated increase in select increase

export earnings in the area by the company's main outsiness interest in the rat man. The 250 per cent, compared with a in the Far East is in the supply company has recently announced 40 per cent, increase in exports of fibre, particularly its cellut that its International Paints suboverall, and the latest move to losic fibres, viscose staple and sidiary will be co-operating overall, and the latest move to losic fibres, viscose staple and sidiary will be co-operating set up a permanent have in acctate. A number of producers technically and commercially Japan is intended to indicate the around the world have aban-with Nippon Paint of Japan and doned production of these fibres the company's packaging subfor environmental reasons leaving the northern part of the Far acctate of reduced world also stepped up its share of the marketing staff in Tokyo covering the northern part of the Far acceptance of reduced world doned production of these fibres around the world have aban-with Nippon Paint of Japan and commercially and

being generated. be seeking to expand the com-almed at expanding trading links Dr. Norman Wooding, a deputy pany's sales of fabric to garment between the area and developed chairman of Courtaulds, said makers in the Far East. Efforts markets, in particular the U.S.

BRITAIN'S CARPET industry achieved record exports of more than £112m. in 1976—an increase of 51 per cent. on its 1975 total

Record rail

exports

predicted

film., and overtaking two hig traditional markets of the U.K. industry, Ireland and Denmark.
Australia remains the biggest ICL expects to win orders

Total

Toyota and Nissan production falls

TOKYO, Feb. 15. TOYOTA MOTOR and Nissan Motor both reported higher vehicle output in January com-pared with a year ago but production fell from December Experts followed the same pattern.

Toyota said output rose 15.4 per cent. to 177,726 from January, 1976 but declined 10.9 per cent. from December. Exports in January rose 31.1 per cent. to 94,729, but were down 7.5 per cent. from December.

Nissan said vehicle production in January rose 4.4 per cent. to 174.814 from a year ago, but declined 11.3 per cent. from December. January exports rose 14.8 per cent. to 91,170 over a year ago, but fell 17.9 per cent.

from the previous month, it Nissan exports to Britain

Nissan exports to Britain totalied 9.924 units, up sharply from December's 1.847 units, and up 38.8 per cent. from a year earlier.

Exports to Western Enrope totalled 20,164 units in January, up 17.1 per cent. from December but down 0.5 per cent. from a year earlier.

per cent, from a year earlier. Agencles

CARICOM

Lean pickings for exporters

BY RHYS DAVID, TEXTILES CORRESPONDENT

By lan Hargreaves

Common Market ruary last year) and heavy equip Bank will supervise a new sys of the common Market ruary last year) and heavy equip Bank will supervise a new sys of the common Market ruary last year) and heavy equip Bank will supervise a new sys of the common Market ruary last year) and heavy equip Bank will supervise a new sys of the common Market ruary last year) and heavy equip Bank will supervise a new sys of the common Market ruary last year) and heavy equip Bank will supervise a new sys of the common Market ruary last year) and heavy equip Bank will supervise a new sys of the common Market ruary last year) and heavy equip Bank will supervise a new sys of the common Market ruary last year) and heavy equip Bank will supervise a new sys of the common Market ruary last year) and heavy equip Bank will supervise a new sys of the common Market ruary last year) and heavy equip Bank will supervise a new sys of the Caribboan was stopped completely in Feb the Import of this in the sys of the Caribboan was stopped completely in Feb the Import of the Caribboan was stopped completely in Feb the Import of which Sugrantion of the Caribboan was stopped completely in Feb the Import of the Caribboan was stopped completely in Feb the Import of the Caribboan was stopped completely in Feb the Import of the Caribboan was stopped completely in Feb the Import of the Caribboan was stopped completely in Feb the Import of the Caribboan

set for 1976.

The total sum will be strictly The Prime Minister Mr. Fund for a \$4.06m. U.S. loan and Kier International to callly rationed between imports of raw Forbes Burnham, has declared from the compensatory financing struct a new container facility materials, consumer goads and 1977 to be "the year of facility to help cover a balance at the Port of Spain dock.

quadruple its present percentage of the growing world in North America. Slassys. The Government has also indimarker in the next few years. It is understood that the offers are for a wide range of rail products, including British in the private rail products, including British in the private rail products, including British and the private rail products, including British in the private rail products, including British in the private rail products, including British in the private rail products, including British rail was also individued the island this year ably plagued the isl

Middle East orders for SIR

THE LARGEST private Italian southern Iranian province of Sadelme of Italy and ASEA of chemical and engineering group, Khuxestan, the Iranian Ministry Sweden, last year also won a Societa Italiana Resine (SIR), of Energy announced in Tehran. S30m. contract from the Energy which recently completed a major desalination plant in Rials6.850m. (about \$100m.) was power distribution stations in Qatar, announced to-day that it signed on January 24, a spokes that been contracted by the Qatar man for the consortium said.

The project is expected to be Government to build a similar plant near Doha. SIR did not disclose the cash value of the deal.

The consortium members, completed in 30 months.

Brown Bovary of West Germany, Reuter

The consortium members, Reuter

of 51 per cent. on its 1975 total of £74m., the British Carpet Manuacturers Association reports.

The biggest market, the EEC. bought carpets to the value of £49m. compared with £30m. in 1975; West Germany became the leading European market for the first time, increasing its purchases from £6.4m. in 1975 to £11m. and overtaking two big

The company also reported that it signed last week an agreement with the Libyan Govern-

countries of the Middle East.

The Italian group has lately won major Arab contracts, including school projects in Saudi Arabia and the construction of army is to be responsible for the survival in Libya. The group veying, engineering, procure has been particularly successful in selling prefabricated houses and desalination plants to Arab distribution system being carried solution.

Time Italian group has lately won IMEG, the Persian affiliate of Iranian gas trunkline to the Soviet Union. It is also one of the firms invited to extend its imports from U.K.

Soviet Union. It is also one of the firms invited to extend its imports from U.K.

Soviet Union. It is also one of the firms invited to extend its imports from U.K.

EEC 49.2

EFTA 17.8

C'wealth (main mkts.) 20.1

Mideast (main mkts.) 10.9

Others 14.2 and desalination plants to Arab distribution system being carried out by the Russian concern under cern whose shareholders are plant in Doha, the spokesman a \$120m. turn-key contract. The listed as Mr. K. Zeinal-Zadi, an said, would include two waste, work is being done for the Iranian entrepreneur, Mr. licat boilers with a production Nigerian Ministry of Petroleum Bowier, Mr. George Watt and a capacity of 22,500 cubic metres and will extend the Lagos com-

February 9, 1977.

Iran in Nigerian project

BY RICHARD JOHNS

of water a day. SIR has also pression and water. Channel Islands called Stratbuilt a desalination unit in The sub-contract is understood haven.

Bahrain. The sub-contract is understood haven. The Nigerian contract is one of A consortium of West German, on February 11 by Mr. R. I. five awarded recently of which Italian and Swedish companies Kuprevich, vice-president of two have gone to the Soviet has been awarded a contract to TSMPE, and Mr. Ian Bowler, Union, two to the Italian combuild power sub-stations and president of IMEG. The expec-pany Montubi and one to transmission lines in the tation is that the major part of Williams Brothers of the U.S.

NOTICE OF REDEMPTION

To the Holders of

Government of New Zealand

Twenty Year 6½% Bonds due March 15, 1986

NOTICE IS HEREBY CIVEN that, pursuant to the provisions of the Bonds of the above-described issue. Morgan Guaranty Trust Company of New York, as Fiscal Agent, has drawn by lot for redemption on March 15, 1977 at 100% of the principal amount thereof through operation of the Sinking Fund, \$236,000 principal amount of said Twenty Year 61.2% Bonds due March 15, 1986 bearing the following

thereof in such coin or currency of the United States of America as is legal tender for the payment thereof in such coin or currency of the United States of America as is legal tender for the payment therein of public and private debts, and will be paid upon surrender thereof at the corporate trust office of Morgan Guaranty Trust Company of New York, 15 Broad Street, New York, New York 10015, or at the option of the hearer but subject to any laws and regulations applicable thereto in the country of any of the following offices, at the offices of Morgan Guaranty Trust Company of New York in Antwerp, Brussels, Frankfurt, London or Paris, or at the office of Baring Brothers & Co., limited in London

Limited in London.

Bonds surrendered for redemption should have attached all unmatured coupons appurtenant thereto.

Coupons the March 15, 1977 should be detached and collected in the usual manner.

From and after March 15, 1977 interest shall cease to accrue on the Bonds herein designated for

COVERNMENT OF NEW ZEALAND

company registered in the Channel Islands called Strat-

New small **ICL** series launched

ment to build, at a total cost of L300n. (about £200m.), five refrigeration units for storing fish at Benshazi. Tripoli, Homs, Zvara and Misurala.

Zvara and Misurala.

These contracts are the result of SIR's recent move into the new market of the oil-producing new market of the oil-producing contract from the market of the oil-producing contract from the countries of the Middle East.

The Italian group has lately won

Market overall purchasing car pot market overall purchased will be for a new type of small computer system, with the vast and increase of £55m, over puter system, with the vast and increase of £55m, over this use of the oil-producing various services for providing various services of the Middle East.

The Italian group has lately won

Market overall purchasing car pot mail computer for small computer with the vast and increase of £55m, over this use of £13.4m. From Mestern suppliers.

The U.S. Treasury Department brits and it will no longer collect the worth increase of £55m, over the unit of said it will no longer collect than double the previous year. The use of said it will no longer collect the worth increase of £55m, over the unit of said it will no longer collect than double the previous year. The U.S. Treasury Department provider said it will no longer collect than double the previous year. The use of said it will no longer collect than double the previous year revealed yesterday when the providing various services for providing various ser market overall purchasing car worth more than £100m. by 1980 U.S. spirit duties

14.2 7.5 U.S. company's business machines division. As well as 112.2 74.1 giving ICL additional products. Libya's Posts and Te giving ICL additional products. Libya's Posts and Telecommuniproduction. according to the the acquisition doubled its small cations Corporation has awarded Venezuelan Cement Producers' systems customer base, trebled Bliss of Britain an 878,052 dinar Association. This would mean a its list of customers with in [f1.1m.] contract for the expansizeable increase over last year's

> markets for the first time, includ-ing seven in Latin America, seven in the Far East (including Japan) and others in the Middle this week for a three-day Anglo- represented in Hong Kong East, It now has 21 dealerships. Philippine financial conference Hutchison-Boag Engineering

Reaffirming his faith in the former Singer product line, Mr. Ellis said System Ten computers alone had attracted f7.5m. worth of business in the last three months. Manufacture of the new 20 Series will begin in the Utica. New York, factory which ICL bought last year, but this work is currently being transferred to its U.K. factories.

This would improve the job security of ICL's UK. employees the company said, and, with more than 80 per cent. of production scheduled for export. ould assist the British balance of trade.

Technical Page, Page 10

Polish order

Orders worth £3m. to supply equipment in Poland South America and the U.K., have been obtained by the Manchester-based Francis Shaw, which pro-Chinese trade

Japan's two-way trade with
China fell 20 per cent. in 1976
from a year earlier to S3hn the
first decline in eight years, the
fi tion (JETRO) said. Japan's equipment worth over fin. to trade in 1976 accounted for 22 Dunlop, for use in their home to 23 per cent, of China's entire and overseas factories, and trade with foreign nations, tome export nearly £500,000 worth of pared with 26,7 per cent, in 1975 plant to Argentina.

Lloyds Bank in Dubai

share of the small computer bounties have been eliminated. Singapore Airlines placed its bounties have been eliminated. Singapore Airlines placed its market by a substantial margin.

49.2 30.6 The product extends the line 17.8 17.6 taken over from Singer five ment has eliminated all remain cement for Venezuela ing subsidies on the export of venezuela will be required to spirits to the U.S.

10.9 4.4 the international side of the 14.2 75 U.S. company's business of the 14.2 75 U.S. company's business of the U.S.

telligent terminals, and strenc sion of telex exchanges in Tripoli imports, estimated to be at thened its position in a range of and Benghasi. The contract around 26m sacks.

overseas markets, Mr. Peter involves increasing telex lines and according to a Posts and telegraphic telegraphic terminals, and strenc sion of telex exchanges in Tripoli imports, estimated to be at involves increasing telex lines and according to a Posts and telegraphic tele

Manila talks

A top level group from the Shatin New City of London leaves the U.K. Territories.

Lloyds Bank International has starting next Monday in Manila. opened a full banking branch in President Marcos will open the Dubai. The new branch is able conference, which will cover a to provide a complete range of range of subjects including banking services and will be joint ventures, the development responsible for the development of a capital market, insurance of the Lloyds Bank Group's and re-insurance, foreign international activities in the exchange, gold and Eurodollars, United Arab Emirates. soft commodities, banking services, and construction and engineering consultancy.

import some 44m, sacks of cement this year in order to cover the deficit in national

tor, said vesterday.

One of the marketing benefits spokesman in Tripoly the expansion was to enlarge the number of ICL dealerships across the world.

Telecommunications Gorporation Hawker Siddeley Water Enginespokesman in Tripoly the expansion with the expansion will take place within 22 tract with the public works department in Hong Kong to Shatin New Town in the New Territories. The contractor is in Hong Kong by

Franco Italian discussions

ROME, Feb. 15. THE FRENCH Foreign Tradi Minister, M. Andre Rossi, is scheduled to arrive here on Thursday for talks with his Italian counterpart, S Rinaido Ossoia. The visit seen here as a continuation the dialogue between the two when Sig. Ossola went to Park

The talks are expected to centre on the problems of stabilising bilateral train of the relations, in particular concession ing French objections to ches Italian exports of wine in shoes.

According to recent statistic Italy recorded a trade defic with France of the order of MU-15. L206.5bn. (about £68.8m.) the first 11 months of last ye Although imports from France increased by 48 per cen Italian exports rose by near 60 per cent Meanwhile, figures released: here to-day show that littly's:

food deficit rose to a record: L3,531bn. (about £1,2bn.) last: year. Italys' meat import hill of L1,814bn. (about £1.2bz) per cent last year

This announcement appears as a matter of record only.

\$2,500,000

Wheel Trueing Tool Company (A subsidiary of Diamant Boart S.A., Brussels)

Secured Industrial Revenue Bonds due 1992 (Issued by Richland County, South Carolina)

The private placement of these securities with institutional investors in the U.S.A. was arranged by

SoGen-Swiss International Corporation

Interstate Securities Corporation

Sure, every country's a holidayland but Switzerland is a complete Holiday World!

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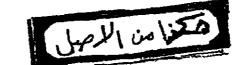
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HOME NEWS



Porten Restrictive pay curbs cannot continue ays CBI president

Y JAMES MCDONALD

president of the Confedera- brackets."

president of the Confederaof British Industry, said in
lon yesterday.

hile this restraint continued.
ngerous dam was being built
th one day would burst "with
strous consequences," he told
ritish Institute of Manageit conference on 'A Pay
itegy for Industrial Recovery.

he Chancellor needed to proincentives if he wanted the

"One, I would judge, is
roughly between the £5,000 and
£12,000 bracket. The other, just
a cute, is at the bottom-end of
the wage scale in the so-called
poverty trap area.

"There is also, in my judgment, a third which lies just on
each side of the £4,000-£5,000
scale affecting craftsmen, foremen and management." incentives if he wanted the on to "get up and go." Many Difficult agement salaries were lag.

t raprelevant

Present prices arrangements easin go fibe excessive burden of income tax.

These operators arrangements of income tax.

These operators arrangements of income tax.

These operators arrangements are outmoded and now largely of income tax.

These operators with the re-[1] [h] [mistries, it did not want "some

RESTRAINT of the present from runaway inflation coupled ictive kind could not con with the highest taxation rates e much longer. Lord Watkin in Europe, lies in two pay

y up to 25 per cent behind. It might be difficult for the ent increases in costs and Government to do enough for these people in the middle, "but

Free collective bargaining as sed to be known is no longer on or collective, nor a gain in present circumscres. So we shall have to better than that."

I many consultations with members, it had become it that they wanted an effective a longer-term flexible eme which lay between the remes of restrictive constraint free collective bargaining. Perhaps at this crifical point negotiations on Year Three is not the time to put such cheme forward. But we ceruly intend to do so in due it these people in the middle, "but our Budget representations to be published soon will indicate priorities."

Sir Derek Ezra, chairman of the British Institute of Management, told the National Coal Board, told the conference: "Confidence in the underlying economic situation is picking up. "The recent trade figures showed a great improvement the linternational Monetary Fund loan and the cover arrangements in the pound's fortunes, and surveys of investment prospects in the light of lower interest rates are showing improved potential in the pound's fortunes, and surveys of investment prospects in the underlying economic situation is picking up. "The recent trade figures showed a great improvement the light of lower arrangements in the pound's fortunes, and surveys of investment prospects in the underlying economic situation is picking up. "The recent trade figures showed a great improvement the light of lower interest rates are showing improved potential in the pound's fortunes."

aly intend to do so in due the conditions in which the industrial strategy will succeed."

Sir Derek listed: a restoration

thed forward to the developassurance to managers with the reint of the discussions now position as responsible profesing on with the appropriate sional people who can make a

what it did not want "some vital contribution to the formulaat new bureaucracy."
tion of policy, will ensure that
t would be reasonable to prothey undertake their major task

tional Consumer Council.

he effect of inflation had been uced higher up the income le, the council said yesterday.

Until the 1970s the worst-bit useholds seemed to be penners reliant on State benefits, latterly poor households with ldren have been hit hardest. The evidence indicated that ind and other subsidies in all levels of income. There is inflation gap tween poor and rich houseds, but the gap had since dened. "Since 1970 the difference in inflation rates has bece in inflation rates has be come inequalities were in me increasingly marked."

The council was giving evince to the Royal Commission the Distribution of Income id Wealth, headed by Lord famond, which is examining comes at the lower levels, The council said poor people id a double disadvantage. They The council was giving evince to the Royal Commission ere worse off in terms of their

This was partly a reflection of

See Lombard Page 2

Varley likely to set up engineering inquiry

GOVERNMENT committee of State for Education and Science

tries are written to Mr. change attitudes lowards the tries are tone, engineering profession and fine institution of Mechanical manufacturing industry in gineers and the Institution of general, ectrical Engineers, which tween them have about 170,000 Laker awaits per cent, of the profession, ve lined up behind those call-

for an inquiry.

single London-New York fare of Mr. Arthur Palmer. Labour MP £59.

r Bristol North East, raised the Mr. Laker said because of past bject again in a written quesdelays in getting Skytrain air, in yesterday, and Mr. Leslie borne he was anxious to press takfield. Under-Secretary, the advantage to be gained from spartment of Industry, said the Government's about-turn on at Mr. Varley was "urgently the plan, announced by Mr. nsidering all aspects of this Edmund Dell, Secretary for atter" with the Secretaries of Trade, on Monday.

covernment committee of state for Education and Science, quiry into the engineering and Employment. ofession seems almost certain. Mr. John Lyons, general secrebe set up by Mr. Eric Varley, tary of the association, said last dustry Secretary, within the night: "I would have thought at few weeks.

Pressure for an inquiry has difficult not to agree to an en building up again recently inquiry now."

An inquiry would, he believed, help mobilise public opinion and ganisations have written to Mr. change attitudes towards the prefix arging him to start one, engineering profession and

U.S. approval

tor an inquiry.

The move originated with the MR. FREDDIE LAKER, chair000-strong Electrical Power man of Laker Airways, will tell
tigineers Association in autumin officials of the Department of
75 and a proposal urging Trade to-day that he wants to
vernment action put by the start the Skytrain cut-price
sociation was unanimously Atlantic service as soon as he
proved at the TUC meeting in
ptember.

In Arthur Palmer Labour MP 559

London insurers expect heavy Antwerp claims

EAVY INSURANCE claims are terday put the cost of the blaze spected in the London market as more than £20m, which would be the fire at Antwerp Docks make it one of the most expension destroyed warehouses and sive fires in Europe for some

hich destroyed warehouses and sive fires in Europe for some time.

Marine insurers at Lloyd's It is assumed that much of the proceed to face a 16m. loss over buildings and other fixed proposed pulp and other products, perty were insured in the Belgian he goods were insured in the market, but there may be heavy arine market as they were reinsurances cover in London. Surveyors from Lloyd's are Estimates reaching Lloyd's yes-



An artist's impression of the Hawker Siddeley Nimrod.

Unions increase efforts to win Nimrod decision

BY MICHAEL DONNE, AEROSPACE CORRESPONDENT

THE TRADES unions are increasing their efforts to win a change of mind by the Government in favour of buying the Hawker Siddeley Nimrod a reralt instead of the U.S. Boeing E-3A for Airborne Early Warning duties in Europe.

A decision is due to be taken by NATO Ministers at a meeting in Brussels next week on whether to buy the Boeing jet for AEW—In which radars mounted on aircraft flying at treat heights could look down great beights could look down on and detect enemy aircraft and missiles seeking to pene-trate the ground-based defensive radar networks. So far, the U.K. Government

has expressed a preference for the Boeing E-3A, called the Airborne Warning and Control System (AWACS), and has tended to regard the Hawker Siddeley Nimrod solely as a possible alternative to meet the U.K.'s own needs in the event of Europe rejecting the Boeing jet. Union anger at this attitude is rising. A statement by the

joint unions representing workers at Hawker's Wood-

ford, Manchester factory where Nimrods are built for antisubmarine duties, sa'd yester-day that negotiations were taking place between Govern-ment and unions on the next phase of the social contract.

"One way for the Government to show confidence in British industry and indicate an attempt to improve the employment situation would be to support the N mrod project, thereby giving the working population some degree of confidence in supporting GovFor some years, the public had been urged to "Buy British"—yet, "when it comes to an item of significant cost, the Government is prepared to ignore this advice."

To buy the Nimrod would provide more employment—up to 7,000 jobs—than buying the Boeing jet (little more than 500 jobs.).

"If the Nimrod was stopped and AWACS finally purchased, the results could be catastrophic, not only from the employment aspect, but also the U.K. would drop out of advanced electronics and give it to the U.S. on a plate."

The U.S. had told NATO that the cost of the Boeing jet would be \$2.4bn. (£1.45bn) for 27 aircraft—£53.7m, each. "It is known that AWACS is more than twice as expensive as Nimrod"

ernment policies.' Supermarkets dominate sales of food to freezer owners

BY ELINOR GOODMAN, CONSUMER AFFAIRS CORRESPONDENT

SUPERMARKETS have managed that in 1975 freezer centres took per cent. in 1975 to 16 per cent. it assert their dominance of sales 44 per cent. of sales to home last year.

of frozen food to the rapidly freezer owners and grocery. The report shows that the Co-

trading order made against heating man

First fair

By Elinor Goodman,
Consumer Affairs Correspondent
A CENTRAL HEATING supplier and installer made legal history yesterday when he was the recipient of the first order sought by the Director-General of Fair Trading against a trader alleged

A CHANGE in accounting pract of these reliefs might one day tice has increased the distribute "clawed back," as for table profits of the Bath and Porting the profits of the Bath and Porting and increased where compared to October 31, by more than £5m. In increased rate of capital investment.

Similar action by Westland A less conservative approach Aircraft in its 1976 accounts, to the problem was proposed in published last month, led to an the Morpeth current cost

offence.

Breach of this order would be contempt of court and, as such, subject to tougher penalties than individual breaches of safety regulations or the Trade Descriptions Act. Regulations

In April of last year, Mr. Jergen Krupa, a Cardiff gas central heating installer and supplier, who had already been ORDERS held by British ship orders which had previously found guilty twice of breaching ORDERS held by British ship orders which had previously

e a Secretary of State able to advise on whether companies can whether companies organisations were charging assured to the sugment of the support of the su

Accounting change gives cement group extra £5m.

BY MICHAEL LAFFERTY

could have found it worthwhile to break the law aimed at protecting the consumer even if they were taken to court.

When an offender had been found guilty and paid the fine, there was nothing to stop him taking up business somewhere else and repeating the offence.

The Fair Trading Act. however, gave the Director-General powers to obtain a written powers to obtain a written repeat the trading practices; which had resulted in the offence.

If this assurance is broken, the Director-General confined to the first this assurance is broken, the Director-General confined to the first tion only at much lower rates, whereas they probably provide depreciation only at much lower rates, wite-back deferred tax provided in previous years. As a generous benefits increases in result a liability of ES.5m. The notion behind deferred tax substantial part thereof will accounting is that some or all ever be required."

Trading against a trader alleged published last month, led to an the Morpeth current cost to have persistently broken the increase in after-tax profits from more than £3m. to more than companies would have to prospect of the profits from the more than £3m. The profits from the more than companies would have to profits from the profits from the more than £3m.

Breach of such an order would be held as contempt of court and would be punishable by an unlimited fine or imprisonment.

Until the Fair Trading Act was passed in 1973, some traders could have found it worthwhite to break the law aimed at product on deferred taxation late.

In the more than 13m. to more than accounting system, whereby companies would have to provide deferred tax only in those cases where they actually except the decision of auditors. Peat Marwick The Bath and Portland Cement Group and Westland Aircraft have followed Morpeth.

Committee to suspend its standards are followed Morpeth.

If Bath and Portland had followed to provide deferred tax only in those cases where they actually except the decision of auditors. Peat Marwick The Bath and Portland had followed to provide deferred tax only in those cases where they actually except the decision of auditors. Peat Marwick The Bath and Portland had followed to provide deferred tax only in those cases where they actually except the decision of auditors. Peat Marwick The Bath and Portland Cement to break the law aimed at product the decision of the Accounting Standards have followed Morpeth.

If Bath and Portland had followed the provide deferred tax only in those cases where they actually except the decision of auditors are provide deferred tax only in those cases where they actually except the decision of auditors are provide deferred tax only in those cases where they actually except the decision of auditors are provided deferred tax only in those cases where they actually except the decision of the Bath and Portland Cement.

In the provided deferred tax only in those cases where they actually except the decision of the Bath and Portland Portland Cement.

In the provided deferred tax only in those cases where they actually except the decision of the Accounting Standards the provided deferred tax only in those cases where they actually except the decision of the Accounting Standards the provided deferred tax only in those cases where they actually exc

World ship orders at eight-year low

BY KEVIN DONE, INDUSTRIAL STAFF

gas regulations, gave the yards fell more than 1.25m tons been held in abeyance.

Director-General a written in the last three months of last According to Lloyds Register assurance.

year to their lowest point for of Shipbuilding Returns for the This was to refrain from several years. The world order quarter ended December 31, the installing gas-fired central heat-book is at its lowest for nearly drop in Japanese orders is principle.



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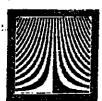
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The Technical Page

EDITED BY ARTHUR BEAMETT AND TED SCHOETERS

OFFICE EQUIPMENT

Word processors to boom

ing equipment and services, will consultants. Mile Ash, Radl grow five-fold. Worth £55m. last year, it will increase to £335m. by 1985 and have a total value of £1,728m. during the ten years. Germany, with a 40 per cent. share, will be the dominant market of the 17 countries covered by the study. Britain and France will each hold around 16 per cent. Holland, Sweden and Switzerland will have 4 per and Switzerland will have 4 per

Europe's word-processing market, dictating equipment, will increase at an annual average of 7 per cent. Valued at £61m. last year, it will reach £102m. by 1985 and total £792m. over the next decade. Only Britain and Germany have significant penetration. Holland, Sweden and Switzerland are moderate users. Dictating equipment is not popular in France and Italy or in several smaller European countries.

Offices are the last significant penetrations. Offices are the last significant areas of business relatively untouched by automation, asserts

use, is to be launched by Roneo right or left to see the remainder of an extra wide page; or scroll and extra wide page; or scroll and

areas of business relatively unis only 38lbs.

touched by automation, asserts the 400-page study, "Word Processing in Europe."

Cator which Roneo has sold for a specific page of the 250 stencil duplicator which Roneo has sold for a specific page of the 250 stencil duplicator which Roneo has sold for a specific page of the 250 stencil duplicator which Roneo has sold for a specific page of the 250 stencil duplicator which Roneo has sold for a specific page of the 250 stencil duplication.

ployed in offices. A fundamental Machines who, through its subsi-alteration of ingrained work diary Imperial Business Equip-patterns is required, the study ment and its agents, will jointly

Cessors are still novel in Europe.

Sales growth will be Tapid and will reach £529m. in the decade Lansdowne Road, Croydon CR9 65 tonnes.

2HA. 01-886 4333.

The first this six-w

WEST EUROPE'S word-processing and an important factor is the possible on their equipment time saved in waiting for "play feed text-processing will amount to typist can begin at once to create feed rates for grow five-fold. Worth £55m. last text-processing will ask, Radlett, grow five-fold. Worth £55m. last text-processing will ask, Radlett, grow five-fold. Worth £55m. last text-processing will ask, Radlett, grow five-fold. Worth £55m. last text-processing will ask, Radlett, grow five-fold. Worth £55m. last text-processing will ask text-processing time fext as the text as the text as the text as the text-processing and an important factor is the possible on their equipment time saved in waiting for "play feed out," since with this unit the text-processing time saved in waiting for "play feed out," since with this unit the text-processing time saved in waiting for "play feed out," since with this unit the text-processing will amount to typist can begin at once to create feed text-processing will amount to typist can begin at once to create feed text-processing will amount to typist can begin at once to create feed text-processing will amount to typist can begin at once to create feed text-processing will amount to typist can begin at once to create feed text-processing and an important factor is the possible of their equipment. The saved in waiting for "play feed out," since with this unit the text-processing will amount to typist can begin at once to create feed text-processing will amount to typist can begin at once to create feed text-processing and an important factor is the possible of time saved in waiting for "play feed out," since with this unit the feed text-processing and an important factor is the possible of time saved in waiting for "play feed out," since with this unit the feed text-processing time saved in waiting for "play feed out," since with this unit the feed text-processing time saved in waiting for "play feed out," since with the feed text-processing time saved in waiting for "play feed out,

PORTABLE, a stencil duplicator A second major sector of for in-house or departmental can cause the window to pan Europe's word-processing market, use, is to be launched by Roneo right or left to see the remainder dictating equipment, will increase Vickers on March 1.

Of an extra wide page: or scroll

ressing in Europe."

Paperwork has been growing quarter of a century.

and has led to a larger proportion of the work force being emment with Office and Electronic

sserts. market with Roneo's sales force Mechanical text editors are re-both this new machine and the Mechanical text editors are responsible at present for virtually
the entire European market.
Sales will climb until the early
Sales will climb until the early
company says the OEM agreetruck, grossing 36 tonnes, has
1980s but, under the impact of
display-based equipment, will
some 30 per cent, the selling
begin to fall slowly and total strength for these stencil Cheshire CW11 9HZ (09367
ES91m. in the next ten years.
Stand-alone display-text processors are still novel in Europe.
Sales equipment, will be famid and
Stand-alone display-text processors are still novel in Europe.

Bone Vickers Rome House

Rome Vickers Rome House

TOUCHS

A HEAVY-DUTY three-axle
truck, grossing 36 tonnes, has
been developed by Fodens,
Cheshire CW11 9HZ (09367
CW11 9HZ (09367

ICL'S new baby

market. available as the tractor unit for Roneo Vickers, Roneo House, a road train, when it can haul

long. Page size is 128 characters by 83 lines.

Three-axle

From the keyboard the typist

 HANDLING Accurate

The feeder has an upper (0802 241321). the Brent and Ninian pipelines hopper from which the powder The pumps are of stainless first into tanks and subsequently is conveyed to a lower vessel by steel, and driven by 3hp electric into tankers, impeller, via three pressure motors. They are available in Main point about the equipmental in a level either fixed or transportable ment is that it accurately accounts for variables that affect

discharged through a gate.

Output speed is regulated by altering the opening of the gate and the speed of the lower disc.

It is claimed that cavitation and bridging is eliminated.

Hygroscopic materials which Close check tend to agglomerate, and difficult

substances such as fluidised cement and semi-solid pigments On Oil flow

regulating apertures in a level- either nixed or transportations countrol disc. This disc keeps a versions.

countrol disc. This disc keeps a versions.

counts for variables that affect the financial value such as temperature impeller in the lower 40 deg. C can be pumped, and perature, pressure, density and vessel propels the powder with external cooling of the gives a result to 0.1 per cent. through a circular orifice to a housing jacket the pumps will rether than the 1.0 per cent. commeasuring disc from which it is deal with liquids at temperatures mon in the past.

Gross pulses from meters are electronically scaled into engin-

ranging from 0.5 litre/hr up to developed by ITT Flyght Pumps, stations at the Sullom Voe ter-50 cu, metres/hr. Colorick: Nottingham NG4 2AN minal where oil comes in from The feeder has an upper (0802-241321). The Brent and Nintan pipelines

counts for variables that affect

Gross pulses from meters are electronically scaled into engin-eering units after the accuracy of the meters has been estab-lished by passing known volumes through them. The effect of temperature changes on the oil is taken into account on a regular basis and compensated volumes

A COMPANY which started in 1971 in the manufacture of simple electronic instrumentation and has recently locked in to the important business of custody transfer of oil products, Spectra Tek U.K., has won an important 1990,000 North Sea order.

Supplied to Daniels Industries meters.

At Sullom Voe the microprowith flow results from instructions with flow results from instruction of the offshore production of the submerged pipeling with flow results from instruction of the interportant business of custody transfer of oil products, Spectra allering the meter scaling factors as subsequent proof runs of the interportant business of custody the interportant business of custody transfer of oil products, Spectra allering the meter scaling factors are subsequent proof runs of the interportant business of custody transfer of oil products, Spectra allering the meter scaling factors are submerged pipeling and become and the interportant business of custody transfer of oil products, Spectra allering the meters.

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daily product flow worth flow the equipment could pay for its self in a day or two. An interesting side benefit ;

are displayed for each bank of that the shore measurement at meters.

An interesting the shore measurement at the shore m

while the first is being printed. The screen is used to display ing accurate feed rates for the text as the typist creates, edits and assembles it prior to printing. It is capable of dismarketed by Russell Finex. "window" on the page of information held in the memory of feeder, it is claimed that the liquids, abrasive particles in such as screen. This window is 80 characters wide and 24 lines of ± 1 per cent, with outputs a submersible pump has been will be used for fiscal metering. A VOLUMETRIC feeder providing a page as will pass their information on the offshore providing ing accurate feed rates for powders with widely differing be electronic instrumentation and has recently locked in to the important business of custody to receive and act on instructions and has recently locked in to the important business of custody to receive and act on instructions and has recently locked in to the important business of custody to receive and act on instructions and has recently locked in to the important business of custody to receive and act on instructions and has recently locked in to the important business of custody to receive and act on instructions altering the meter scaling factors as subsequent proof runs since it launched the equipment in the memory of the submersed pipeling in the memory of the submersed pipeling in the memory of the submersed pipeling in the memory of the submersed products. Spectrate to receive and act on instructions and has recently locked in to the important business of custody to receive and act on instructions and has recently locked in to the important business of custody to receive and act on instructions and has recently locked in to the important business of custody to receive and act on instructions and has recently locked in to the important business of custody to receive and act on instructions are the offshore products. Spectra to receive and act on instructions and has recently locked in to the important business of custody to receive and act on instructions and has recently l More from Outgang Lane, Fig. ering, North Yorkshire, YOR 7JA (0751 72941).

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matic telecommunications cable checker K1076 which is conficient by a computer and therefore faster and more examinate than convention methods.

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This is the theme of the first technology transfer conference to be mounted by the Committee of Directors of Research Associations. It will be held at the Hyde Park Hotel, London, on May 9 and 10, and will have a strong practical bias.

May 9 and 10, and will have a strong practical bias.

The CDRA represents people who live by technology transfer—the Industrial Research Associations—and it is calling the conference Transfer 77.

Emphasis will be placed on

Emphasis will be placed on examples of successful technology transfer involving industry and Research Associations and a policy background will be provided by speakers from U.K. Government and from the EEC.

The main aim will be to give representatives from industry, from government and from the Research Associations the opportunity to exchange up-to-date ideas and experience and to give full support to the declared Government policy of encouragement for technology transfer in Information on the meeting from CDRA at 47. Victoria Street.

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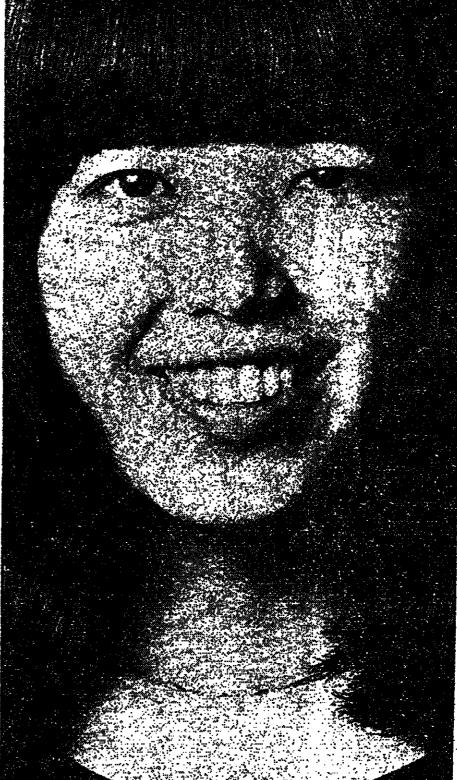
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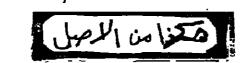
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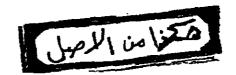
Foreign

tourists

in shops

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o move **3ritish** entre

/ STUART ALEXANDER

ters at Purley, Surrey.

e project was first put for-

number are employed at

bout 500 will be employed at new complex, to include a school designed to cope 1 5,000 people a year from kshop mechanics to dealerproprietors.

olkswagen is holding pre-Municipal Workers Union provisions for redundancies has promised that under the kage to be worked out there be "above -normal redun-

"rircy payments" for those who

'ostal chief

tal business were vital if riscs postal prices were to be re-ined. Mr. Alex Currall, taging director of posts, said

he time had come for the aduction of a reliable and e extensive system of confic. be told a London meeting the Direct Mail Producers ociation and Postmasters.

a system would give a

Diplomats give warning on service cuts

BY DAVID CHURCHILL, LABOUR STAFF

Count take direct action short among his members over the of offshore licences in circumstances in the country of a strike if the expected cuts past few months as the implication stances which are causing grow-house and headquarters at made came last night from the cuts have become apparent. In the closure of five regional civil service union. The survey shows we will bring diplomate trade union. The survey shows we will be closure of five regional civil servants.

warchouses and the headers at Purley, Surrey.

project was first put forin 1973, when the cost

have hear an activated

renewed growth for finance houses

roductivity

X Kevin Done, Industrial Staff
TER years of rising tabour is and declining letter traffic, ductivity improvements in the tall business were vital if rises

Ten years were vital if rises

Tation of the Consumer Creat calculation of tant role to play.".

A CONTINUED role and re-rities recognised the separate newed growth for the finance role of the finance houses, they houses was forecast last night would not be able to meet all by Mr. Gordon Richardson, their wishes in relation to the Governor of the Bank of planned legislation on the licens-

ing of deposit-taking institutions. England.

He warned the Finance Houses It was not intended to restrict Massociation, however, that bust their business by confining the believe. Lies in making industry by which previously, apart from Sir line with Mr. Rodgers' belief in Daniel Pettit, the chairman, was the importance of the full-time Board member. There were some conduct of current accounts and also in making courses in a result of past changes in official a recognised banks.

The which previously, apart from Sir line with Mr. Rodgers' belief in Daniel Pettit, the chairman, was the importance of the full-time Board of Metal Board member. There were shall strength of 12 Neither Mr Thompson nor Mr Paige will receive an increased dustry's needs."

With growing competition as the issue of cheque books to a result of past changes in official recognised banks.

Policy and the present implementation of the solution. It which previously, apart from Sir line with Mr. Rodgers' belief in past the importance of the full-time Board of Metal Board member. There were changes along similar lines at schools more relevant to inchief executive, which passes to Mr. Thompson in the interval of the Board of Mr. Thompson in the importance of the full-time Board member. There were changes along similar lines at schools more relevant to increased dustry's needs."

We which previously, apart from Sir line with Mr. Rodgers' belief in the importance of the full-time Board member. There were changes along similar lines at part of the solution.

We which previously, apart from Sir line with Mr. Rodgers' belief in the importance of the full-time Board of Metal Board of Metal Board of Mr. Thompson in the importance of the full-time Board of Metal Board of Mr. Thompson in the importance of the full-time Board of Mr. Thompson in the importance of the full-time Board of Mr. Thompson in the importance of the full-time Board of Mr. Thompson in the importance of the full-time Board of Mr. Thompson in the importance of the full-time Board of Mr. Thompson in the importance of the fu

policy and the present implementation of the Consumer Credit ciation's chairman, said that the

corporation tax, like other taxes Mr. Richardson, speaking at were fixed at the beginning of the association thinual dinner, the tax year instead of retro-indicated that while the autho- actively.

Vickers sets up washing maghinery division

BY KENNETH GOODING, INDUSTRIAL CORRESPONDENT r insight into customer and open the way for VICKERS signalled its intention with the aim of getting an exclu

ential productivity improve yesterday of becoming U.K. sive licence to manufacture and nt. warket leader in the manufacture market its full range of products. market leader in the manufacture market its full range of products of industrial washing machinery after flexibility in the next ind of the pay policy discussing that productivity agreements could be designed to give first a share of the benefits.

The group hopes quickly to fill new devision which "will concentrate on expanding the design market because of the liquidation manufacturing and marketing of the post office is anxious arrest the decline in postal of the post office."

market leader in the manufacture market its full range of products.

Legal complications have held by amouncing the formation of a new division, Vickers-Aquand, rather than delay any lorger. Vickers has formed the new devision which "will concentrate on expanding the design manufacturing and marketing of the liquidations of Centri-Spray the Sloughmetal degreasing and prevailed to the product of the pay policy discussion.

The group hopes quickly to fill new devision which "will concentrate on expanding the design manufacturing and marketing of metal degreasing and prevailed to the pay policy discussion.

The group hopes quickly to fill new devision which "will concentrate on expanding the design manufacture of the pay policy.

The group hopes quickly to fill new devision which "will concentrate on expanding the design manufacture of the pay policy.

The group hopes quickly to fill new devision which "will concentrate on expanding the design manufacture of the pay policy.

The group hopes quickly to fill new devision which "will concentrate on expanding the design manufacturing and manufacture of the pay policy.

The group hopes quickly to fill new devision which "will concentrate on expanding the design manufacturing and manufacturing and manufacturing and manufacturing and manufacturing and previous policy.

The group hopes quickly to fill new devision which "will concentrate on expanding the design manufacturing and manufacturi

Quality allegations rejected

STLAND AIRCRAFT, acting components had been used in

"So far, no reason for placing behalf of its subsidiary, any Westland helicopters.

stland Helicopters, yesterday
led the Ministry of Defence
ejecting suggestions that unbut the method of establishing the next med ware made under operational restrictions on these

led the Ministry of Defence some Bell 47 parts in the U.S. used by the RAF are concerned, ejecting suggestions that unpuring but the method of establishing the parts used were made under parts were used for repairs but the method of establishing the parts used were made under Bell Type 47 Sioux light the quality of the parts had been Westland's own quality control in the U.S. at the request of the need by Westland some nautical Quality Directorate and ministry of Defence and subgraded by the Ministry of Defence and qualification.

The Ministry of Defence and

the allegations that some its for the Bell 47s were "Following the original allegation." "The Ministry of Defence and afe were made in newspaper tions (of unsafe parts) made to Westland are satisfied that no original in the U.S. It was sug the U.S. Federal Aviation Agency unsafe components of this type ited that spare parts made by at the beginning of January, have been issued to the RAF." Ite been given false seals of Bell, embarked on a comprehenmade in the U.S. were not sive re-check of all the Bell parts relevant" to the Sea King and Vestland said investigations purchased in the U.S. to ensure Commando range of helicopters, its own behalf and with the they were airworthy, and to whose parts of U.S. origin all istry of Defence falled to establish the truth or otherwise come from approved proprietary duce evidence that unsafe of the allegations being made. makers.

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Mesa Petroleum left out of new offshore round

BY RAY DAFTER, ENERGY CORRESPONDENT

MESA PETROLEUML discoverer of one of the most attractive oil A FIRM warning that senior tic Service, said last night that fields in the North Sea, has been diplomals in Britain's embassies it reflected changing opinions excluded from the latest round could take "direct action short among his members over the of offshore licences in circumstants of the latest round take "direct action short among his members over the offshore licences in circumstants."

> panies that applied for new licences in Quadrant 20 of the Moray Firth. What has upset Mesa and the other applicants is that two of the concessions

Industry 'must

more talent'

attract



 The Chevron Group's decision to order a third production plat-form for the Ninian Field is questioned by oil analysts at Wood, Mackenzie in their latest report.

Chevron said this month that about £200m was to he spent on ture to be built at Highland Fabricators' Nigg Bay yard

developing the northern exten-sion of the field, including about \$40m, for a street platform struc-Unbland OVERSEAS visitors to London are spending more in shops and stores, according to the Wood Mackenzie estimates latest London visitors survey

The expiral also attracted 10.5m, visitors from within the U.K.

Overseas visitors accounted for 70 per cent, of London's 1976

On the whole, visitors to London are voting—seven out of 10 are under 35 The survey also discloses that more and more visitors are returning to London for repeat

visits. wo fifths of the visitors ques tioned said that they could not think of any problems they had encountered as tourists in London here was some concern about high prices, but this has

declined over the past four changes along similar lines at Neither Mr Thompson nor Mr British Rail last month.

Paige will receive an increased arthoriu. At St. James's Street. London. Will see the core salary following their promotion.

New men join Freight Board BY IAN HARGREAVES

need to shift more resources into add the strength of professional 1975.

manufacturing industry.

"Part of the solution. I which previously, apart from Sir line with Mr. Rodgers' belief in

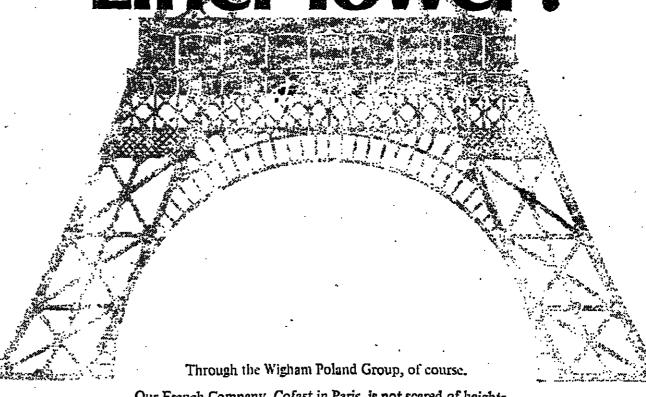
MORE TALENTED young people must be attracted into industry. Mr. Leslie Huckfield, Parliamentary Under-Secretary. Department of Industry, said at Maidenhead yesterday.

"We are all agreed on the work of the remainder of his three poration in 1972 and since property of the remainder of his three poration in 1972 and since December 1975, has been executive vice-chairman (operations). He said yesterday that he had been appointment of Mr. Paige has been with the headquarters staff since 1970 and has been executive vice-chairman (administration) since December 1975.

The changes, announced by Thompson and Mr. Paige to the deministration in 1972 and since December 1975, has been executive vice-chairman (operations). The changes, announced by Thompson and Mr. Paige to the deministration in 1972 and since December 1975, has been executive vice-chairman (operations). The changes, announced by Thompson and Mr. Paige to the deministration in 1972 and since December 1975, has been executive vice-chairman (operations). The changes, announced by Thompson and Mr. Paige to the deministration in 1972 and since December 1975, has been executive vice-chairman (operations). The changes, announced by Thompson and Mr. Paige to the deministration in 1972 and since December 1975, has been executive vice-chairman (operations). Mr. Paige has been executive vice-chairman (administration) in 1972 and since December 1975, has been executive vice-chairman (operations). Mr. Paige has been with the beadquarters staff since 1970 and has been executive vice-chairman (administration) in 1972 and since December 1975, has been executive vice-chairman (operations). Mr. Paige has been executive vice-chairman (administration) in 1972 and since December 1975, has been executive vice-chairman (operations). Mr. Paige has been with the paige of the paige of the paige of the paige of the Mr. Rodgers also announced

the appointment of a part-time recruit to the Board. Mr. Jack Sieve, finance director of Metal

Where in the world do they insure the



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Verdict by ships Bill examiners likely soon

By Ivor Owen, Parliamentary Staff

THE VERDICT of the Parlianentary examiners who have been considering whether the Aircraft and Shipbuilding Industries Bill is a hybrid measure is expected to be announced within the next few days.

Asked by Lord Hollsham (C.)

in the Lords yesterday when the
examiners would "unburden the Government agood Bill a better one. This is into which this Bill has sunk." posed by the Government and
theinselves." Lord Peart. Leader that the Government intends to making it a better Bill."

There was devisive taughter importance. He recalled how-

the provisions nationalising the Government's intentions.

ship repairing industry—Lord Mr. Heffer argued that the

been declared prima facie hybrid referendum.

Shy the clerks in the House of Mr. Foot's sudden intervention Mr. Foot said that amend maintained that the only appro-had not been acceptable to the

Written Answers

Mr. John Oshorn (Con., Sheffield, Hallam), Could steps he taken to discourage the deliberate winding up of busiuesses in one name, the transfer of assets to another name. at the same time leaving unsuppliers already faced with severe cash-flow problems?

Mr. S. Clinton Davis. Under PRESSURE On the Government tions in the U.S. by May or June, the-post method for ordinary information on wages and conditions and the Bankruptcy Acts provide EEC direct elections legislation advance the cause of PR.

The constituencies for the co-operated with the Government tions in the winding peers launched their own Bill, argument for the Liberal proposals is their simplicity. The for Westminster and would nesser Evidence produced of any tional representation, in the Bill get round the tendentious issue of retrawing boundaries detections. loopholes in the law which are House of Lords. ing commonly exploited will The new Bill, sponsored by for the SI British seats at Stras- in the winner-take-all system. being commonly exploited will The new Bill, sponsored by for the St British seats at Strasbe taken into account in the con Lord Banks, is due to have its bourg by using, with minor tinuing review of the relevant second reading in the Upper modifications, the existing legislation.

House on March S. 1:, as seems regions laid down by the probable, enough Conservative Regional Planning Board.

Mr. A. P. Costain (Con., Folkestone and Hythe). What has been the Government's annual expenditure on overseas trade fairs during the past live

Mr. Michael Meacher, Under-Secretary. Direct expenditure on the Commons for debate, its very method of PR for which the overseas trade fairs has increased presence is an embarrassment Liberals have long pressed. Liberals is that following the steadily over the five years in a following that the Govern-Hitherto, the Government has French decision to use PR for steadily over the five years up to 1975-76 from £3.8m. to £9.5m.

Mr. Philip Goodhart (Con., Beckenham). What accon is being taken to promote the sale

Mr. Michael Meacher. The export services provided by the British Overseas Trade Board are available to the book publishing industry and I understand that they are making good use of

Mr. Nicholas Ridley (Con., Cirencester and Tewkesbury). Will the Secretary for Trade initiate an inquiry under section 32 of the Companies Act 1967 into the affairs of Labour Party Properties?

Party Properties?

schools the possibility of making Mrs. Williams said she was in She added "In particular, the Mr. S. Clinton Davis. This is a industrial studies part of the touch with the CBI and Cham. Department has allocated ompany limited by guarantee curriculum.

bers of Commerce about rela- resources to the adult literacy. company limited by guarantee curriculum, and, in the absence of issued Replying

Mr. Roger Sims (Con., Chislehurst). Is it the policy to encourage third country trading by British merchant houses?

Mr. Michael Meacher, Yes, Sir. when the extensive consultations, those working for it. In the report the first policy to encourage third country trading by British merchant houses?

Mr. Michael Meacher, Yes, Sir. when the extensive consultations, those working for it. In the report on to point out that the report shall (C., Arundel), about the did not subscribe to the view industry and higher further Bullock report on literacy that standards of literacy have entitled A Language for Life.

CALLAGHAN IN UNREAL ATMOSPHERE

Fifteen minutes of faith. hope and charity—an uncommon experience in the Commons yesterday. So rare, in fact, that the Prime Minister looked round as if to reassure himself that he was in the

After the record visible trade deficit and low industrial production. Mrs. Margaret Thatcher also had her doubts about the Government's direc-

tract and the economic indicators. Mr. Callaghan a sured her that we were still on the road to recovery. We are moving in the right direction—but not fast enough yet and there is much more to e done," he declared. And no-one actually disagreed with

But with an unassuming faith in himself, the social con-

that even the Conservative "Right Approach" had sternly. warned that there would be no economic miracle just round But if he found his faith

buttressed by the Opposition, Mr. Callaghan was even more surprised vesterday by its display of political charity. If he would relieve the churches and charities of the hurden of the National Insurance surcharge, said Mr. John

Pardoc. the Liberals would not

seek 10 make any political capital out of it. "I am not used to these generous offers," said Mr. Callaghan, as Labour and Tory MPs rolled with mirth at the thought of the Liberals making political capital out of anyBut the Prime Minister said that if the Commons could agree on a limited solution in the problem, it would certainly be sympathetically considered. Thatcher. graciously to the implied in i-ration, responded that the Government was likely to encounter more Tory criticism

for doing nothing. That was the ene for the hopeful entrance of her. Dennis Skinner. A persistent critic of those honoured for apparently doing nothing, the Bolsover Left-winger advised Mr. Callaghan to discuss the Honours List with his political

"Then take out a large sheet of clean . . . " " lavender " chorused the Tories " while. not larender, paper." con-tinued Mr. Skinger. And write on it ... " he added.

"Skinger" yelled Tory and
Labour MPs with kilarious unanimity "Resist that remark," Mr.

Skinner said firmly, arging the Prime Minister to inscribe instead the abolition of the bonours system. Hr. Callaghan retorted that

he had no intention of abolishing such rewards for service. He accepted that Mr. Skinner —the personification of dashed hopes—did not want any honours.

But the Prime Minister wondered amid laughter. whether this was due to modesty or whether Mr. Skinner had arranged the MPs' acclaim to "put into my head" a proposal that would .Rever otherwise have occurred

Referendum switch provokes rebellion by Labour MPs

thenselves." Lord Pearl. Leader that the Government intends to making it a better Bill."

Opposition peers ied by Lord Orr-Ewing (C.). protested that one sparked off a rebellion led by Labour MPs. in the Commons unfairly blaned for the slow process made with the Bill since it was referred to the examiners on December 8.

Recalling the history of the Solland and Wales and the Solland and Wales and the House of Lords was ment under the Parliament Act ment on the Solland and Wales and the Solland and Wales and the Solland and Wales are the House of Lords was made with the Bill since it was referred to the examiners on December 8.

Recalling the history of the Solland and Wales are the House of Lords was ment and the Solland and Wales are the Lords had for the said that the Government is proposing to revise question which will go on the referendum ballon paper in order to make it more fair, or the fluence of the House, had strongly criticised the wording of the question of the House, had strongly criticised the wording of the question in a previous debate.

Provided by this latest somers and the wording of the question in order to make it more fair, or the House, had strongly criticised the wording of the question in order to make it more fair, or the House, had strongly criticised the wording of the question of the House of the Solland and Wales are the House into determine to have a consultative referendum meant at least will be bound by the result of this new referendum. Now the Government was in a previous debate.

It had been envisaged that the deviation of the sollon paper are will be bound by the result of this new referendum. The deferendem was derisive laughter from the antidevolutionists as Mr. Henderson demanded. The development is proposing to referendum wall on the device that the development is proposing to referendum was not account the development in order to make it more fair. The Henderson demanded.

There was derisive laughter the deviction the demanded.

The description the development in antide

Eximple the was able to defeat the arempt the provisions of the Act and not as he proposed that the House with Scotland and Wales in one by a majority of 29 (231-202), a general political prediction, should adjourn so that the Bill, he said.

The told Lord Byers, Liberal Teader, that after the Bill had been declared prima facie hybrid been declared prima facie hybrid the closely in the House with Scotland and Wales in one the proposed that the House with Scotland and Wales in one sent to the by a majority of 29 (231-202), a general political prediction, should adjourn so that the Bill, he said.

The "yes" and "no" boxes on Government could come forward with a correctly worded clause Mr. Foot had accepted the two on the referendum which MPs mojor criticisms of the Reference of seven hours of debate on the referendum.

The said the vice some forward with a correctly worded clause on the paper will be separated.

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The said the vice some forward with a correctly worded clause with a correctly worded claus

**Commons, it was "quite proper"

After it should be referred to the examiners by the House of Lords.

That a wait their report in the Government plunged MPs to the House when the committee into complete bewilderment. The stage resumes to-day. But the Leader of the House only inanching to a consultative reference aged to eviricate himself after dum could only be brought for more lengthy and heated wrang-ward 2t a later stage.

Mr. Foot's sudden intervent Mr. Foot said that amendmaintained that the only approper had not been acceptable to the maintained that the only approper had not been acceptable to the maintained that the only approper had not been acceptable to the maintained that the only approper had not been acceptable to the maintained that the only approper had not been acceptable to the maintained that the only approper had not been acceptable to the maintained that the only approper had not been acceptable to the maintained that the only approper had not been acceptable to the maintained that the only approper had not been acceptable to the flouse.

Backing also came from Mr. Foot's sudden intervent ments on the alterations to the prize course for the Government was to withdraw the clause.

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Backing also came from Mr. Poulse was the course for the foot a consultative reference was the course for the foot and the course for the

four or five weeks after that.

FINANCIAL TIMES REPORTER

BY RUPERT CORNWELL, LOBBY STAFF

be struck out and replaced by

"Do you want."

Orr-Ewing pointed out that it was first presented to the abourd position of debating the 22 months interval since then, debate on the Bill in the Lord Peart insisted that he did not want to become involved in a political argument. Lord Orr Ewing knew very well that the Bill had been sent to the by a majority of 29 (231-202). But he caminers, and the examiners, and the examiners, and the examiners, and the examiners and the examination that it does not want to become involved in Examiners, and the examination that it does not want to become involved in the abound that the top of the ballot paper instead to the bottom.

In addition, there will be alterations to the line which emphasises that the sever time outcome of the reference to the ballot paper instead to the flouse must have the final say in the flouse

Liberals step up pressure

on EEC direct elections

Although there is no serious England, and one each for Scot. Nationalists and Ulster prospect that the Bill will find land. Wales and Northern Unionists would make a clean its way on to the Statute Books. Ireland, Elections would em. sweep in Scotland and Northern nor that it will be given time in the single transferable vote Ireland.

ment will come under still more been an implacable opponent the European elections. Britain insistent questioning about its of PR in any guise. However, would be the only country that plans.

The motives of the Liberals has certain attractions for this could damage the balance are plainly two to increase the Labour even though it has said of "European" parties at Strassian attractions.

Industry link with students examined

MRS SHIRLEY WILLIAMS, but intended to have discussions. She replied that although the

momentum towards direct elec- it will use the existing first-past- hourg

voting trends, the Conservatives

The final argument of the

in England, and one each for its and that the Scottish England and one each for Stot. Nationalists and Uster

he words "Do you agree" will believe that the referentative referendum would simply Do you want."

The reference to the referentation and Wales. In Italyen (Lab., west Lothian) claimed that a consultative referendum would simply bring the House into disrepute.

This provoked cries of "It al-

He was supported by Mr. John consultative and that the word-Mendelson (Lab., Penistone) who ing of the referendum question

more lengthy and heated wrang- ward 2t a later stage.

Inc. over procedure.

His statement brought an importance. There had been a worth president of the Institute Engineering Workers, and Engineering Workers, and Was actually spent on the job on Bravely. Mr. Foot told his mediate protest from Mr. Douglas character of the character of the Comparable was actually spent on the job on British sites than on comparable sites abroad. Bravely, Mr. Foot told his mediate protest from Mr. Douglas character of the clause on the ment, and Lord Danes of the critics. "I don't believe the Henderson (SNP, Aberdeenshire referendum and it should now be rush, designer of the war-time House need get in any tangle at E.). "Don't yo urealise that mak-postponed.

Morrison indoor shelter, were house need get in any tangle at E.). "Don't yo urealise that mak-postponed.

Morrison indoor shelter, were like this day after Liberal leader Mr. David introduced and took their seats all about what has happened i ing statements like this day after ...Liberal leader Mr. David introduced and took their seats have said that I wanted to make day is a sign of the quagmire Steel supported the change pro- in the Lords yesterday.

Minister finds African pay co-operation

ALMOST ALL the British subsidiary companies in South Africa, asked to make available Mr. S. Clinton Davis, Under. PRESSURE ON the Government tions in the U.K. by May or June, the-post method for ordinary information on wages and condi-

issue of redrawing boundaries distortions already inherent (Lab. Perry Barr) that only six companies had declined to pub-Liberal leader Mr. David Steel lish information and he hoped has predicted that on current they would reconsider. The information now available

probable, enough Conservative Regional Planning Board.

These would create 12 multi-could capture 60 seats in England covered the "overwhelming could capture for seats in England covered the "overwhelming could capture for seats in England covered the "overwhelming could capture for seats in England the through the Lords in England, and one each for leaving Labour with only five or majority" of Africans employed lation could be through the Lords in England, and one each for leaving Labour with only five or majority of Africans employed that the Scottish by British subsidiaries in South

By-pass listed

for Newcastle A scheme for a hy-pass west of Newcastle will be added to the Trunk Road Preparation Pool, the Department of Transport said Bookham, Surrey.

The scheme would extend the present Gateshead western bypass from the Scotswood Bridge over the Tyne to join the A69 Carlisle-Newcastle trunk route and the A696/A68 Newcastle-Edin-burgh trunk route. It would allow through traffic between A1(M) of Education Secretary, told MPs with others concerned before recommendations of the report the south of the control and though the south of the control and the south of the south of the control and the south of th

yesterday.

and, in the absence of issued share capital, the directors can not be in breach of the discloure provisions of Section 32 of the provisions of Section 32 of t Replying to Mr. Nigel Forman tionships between schools and campaign, the Assessment of GERMANY

level 1,500 feet.
Glenshee: Main runs complete, newson won a firm base. Lower stapes ample nursery areas. Vertical runs 1,000 feet. Access roads clear. Snow level 1,500 feet.
Glencoe: Main runs and lower slopes complete, new space on a firm base. Vertical runs 1,500 feet. Access roads clear. Sno where! L600 feet. Access roads clear. Sno where! L600 feet. Propagate: Cloudy with sheet or snow, perhaps drifting in strong south-east winds. Brighter with wintry showers later.

Leyland men urge strike

to gain pay freedom

E LABOUR NEWS

Mr. Earl Causey, chief construc-

tion manager of Lummes, blamed

REPRESENTATIVES OF British The stewards decision comes would be serious disruption to Leyland's 130,000 manual wor- on a critical day for Leyland Leyland within a matter of days, kers voted in Birmingham yester. Cars when production has almost be said. to call for a one-day strike halted as the result of a series. Mr. Frascr. who had been

and lobby of Parliament in sup of disputes. By last night more lobbying Midlands Labour MPs port of an end to pay restraint than 18,000 workers were either at the House of Commons with A national conference has on strike or laid off,

port of an end to pay restraint than 18,000 workers were either at the House of Commons with A national conference has on strike or laid off.

A national conference has on strike or laid off.

A discussion document claimed the union had rebuffed trade union and labour moveday blamed the present situation ment, in support of a return to on incomes policy. "Inside Leylong the present phase of pay policy keg. Our members are so frustend on July 31.

Mr. Derek Robinson, chair-blown up out of all proportion."

Mr. Derek Robinson, chair-blown up out of all proportion."

Mr. Derek Robinson, chair-blown up out of all proportion."

Mr. Derek Robinson, chair-blown up out of all proportion."

Mr. Derek Robinson, chair-blown up out of all proportion."

Mr. Derek Robinson, chair-blown up out of all proportion."

Mr. Scanlon when he said that there could be "exten-plants which will vote on sive difficulties" in maintaining whether or not to support the said that there could do a deal on British Leyland is the threatened stevent on that "a backed his statement that "a constraint."

A more immediate problem for backed his statement that "a backe

Construction sector favours national work and pay deal

BRITAIN'S 54bn-a-year engi- 3.—More involvement by the neering construction industry, unions and management in the which has been severely criti- training of apprentices and cised recently for poor site adult workers; performance, took a step towards 4.—A much higher basic rate agreeing upon the need for a of nay. agreeing upon the need for a of pay. new national pay and conditions British engineering construc-agreement yesterday.

British engineering construcagreement yesterday.

At a special National Economic similar projects abroad the NEDO Development Office Conference report found. It also discovered in London such an agreement, that manning levels were conwhich the Office has backed for siderably higher on the British several years, won support from sites studied; that productivity Mr. John Baldwin, general secre was lower on British sites than tary of the construction section abroad; that absenteeism was of the Amalgamated Union of higher on British sites; and that

Action plan

Mr. Baldwin said, that the a decline in productivity on the recent NEDO report on engineer big British engineering sites ing construction performance at during the past year on the lack British sites, prepared by a tri- of future orders in the pipeline partite team of managements. Other factors included wage clients and the unions, put the restraint and the problem of British industry "in the fourth skilled people and staff taking division among international jobs abroad to earn better money construction industries."

Mr. Causey also supported the

onstruction industries."

Mr. Causey also supported the He put forward a four-point idea of a national agreement for action plan, including a nat industry.

There should be a high con agreement proposing:

1.—To de casualise jobs on the solidated pay rate of not less engineering construction than £2 an hour. But such an

2.—A national register of tive had to be between all the workers:

Plan to move 300 jobs

from sit-in factory

BY OUR LEICESTER CORRESPONDENT A SIT-IN by 800 workers at the The company statement said!

Wildt Mellor Bromley textile the closure was linked with plans machinery factory. Leicester, in to consolidate the operations at protest against closure plans, the more modernised. St. entered its second day yesterday. Saviour's Road factory, Leicester.

weeks ago plans were announced Leiceste to close the Ariestone Road there. factory, Leicester.

The men's decision was reinforced by a report that 300 of the 386 jobs to be lost would be transferred to the factory at Bookham, Surrey.

to which the balance of the 800 in jobs will be transferred after the redundancy of 386.

The sirin came as a complete surprise Management arrived on the sirin came and a complete surprise.

Wildt Mellor Bromley is part out Yesterday they were moving of Sears. Engineering. Three files and office equipment to two Leicester hotels to work from Temporary dormitories have

The company said that in spite been set up in parts of the fac-of its international reputation, tor: The workmen have the business had been hard hit by support of a newly setup "wives

Engineers group seeks TUC aid in conflict

BY OUR LABOUR STAFF

THE ELECTRICAL Power The conflict stems from the Engineers Association is writing to the TUC to protest that its attempts to recruiting and gaining recognition in the private sector were being blocked by sector.

The conflict stems from the Act

Act

Act

The intervention follows a significant to the association which was formerly congestion by Mr. Justice Phillips, and at an Employment tricity supply industry, to open a sector were being blocked by its membership to engineers in the private sector.

sector were being blocked by the private sector.

Already there has been friction in a number of plants between solution after being told by the the association. TASS and other supervisory section (TASS) of unions in the Confederation of the Amalgamated Union of Enshipbuilding and Engineering Workers on Monday Unions which has taken a collect that there was no room in private engineering for another union, particularly one which was not party to agreements in the leading of the Bridlington "no cumstances" of each applicant poaching" rules. poaching rules.

a further round of incomes strike on Friday by toolroom limits was union policy and that policy "at ther own risk."

The unanimous vote by 300 negotiating rights. The power. Levland stewards represented ful Longbridge. Cowley and Last night, three strikes at the feeling of "millions of people Castle Bromwich plants have Castle Bromwich, Canley and the social contract and all it ing in other plants is weak. In London, the chairman of Princesses. Dolomites, Stage, the unofficial Leyland toolroom Maxis and Marinas. The only committee. Mr. Roy Fraser, said the stewards were not presented that if the Amalgamated Union to-day are the Ailegro, TR7 and empting, but merely seeking to of Engineering Workers intermediately of the strike all to the management on their ham factory could be hit to-day for the survival of a Labour administration.

In the strike went ahead, there missal of an assembly worker.

Scottish unions to protest over cuts

By Our Labour Staff

MORE THAN 60,000 local government workers in Scotland are to strike for a day on March 9 in protest at the Govern ment's cuts in public expendi-

Support from other workers to join a mass demonstration in Glasgo that day-will probably be sought by the Scottish TUC. National and Local Govern-ment Officers Association, is to: instruct its members to sup-port the strike following the decision of the NALGO special conference last month to make

the strike mandatory.

Backing for the strike is also coming from the Nationa-Union of Public Employer. and the Association of Scientific. Technical and Manageria

The Strathclyde region—the largest local authority end ployer in the U.K.—has als affected by the expenditure

NALGO's emergency commit tee yesterday finalised details of its instructions to branches on implementing their national overtime ban from April 1.

agreement if it was to be effect Whitbread men may end strike to-day By Our Lahour Staff

ABOUT 900 Whitbread brewers workers at Luton, Beds., whose five-week strike has severely dis-rupted beer supplies in the South-East, are expected to decide to-day whether to accep a peace formula and return to

The formula, reached after lengthy talks between manage ment and senior officials of the Transport and General Workers Union, is likely to allow a £20m delivery vehicle and distribution ssytem to go ahead. Similar systems work successfully in other parts of the country. The dispute has led to hundreds of Whitbread pubs in the South-East having only limited susplies of beer since last month.

Electrolux pay structure :: to be studied

THE EQUAL Opportunities Commission has decided to investigate pay at Electrolux, Luton Bedfordshire. This is the first time it has used its powers or employment under the relevan section of the Sex Discrimination

were not identical

N. Sea groups recognise unions

BY OUR OWN CORRESPONDENT

AGREEMENT HAS been reached on procedures for establishing secured a channel recognised by proposals presented by the committee working on North Sea oil nembership after three years of of the Inter-Union Committee in membership after three years of of the Inter-Union Committee in almost no progress, can be any negotiations were accepted expected to intensify the operators.

After a three-hour meeting in expected to intensify the operators.

Aberdeen yesterday between the TUC-recognised Inter-Union After the meeting, both sides unloss seeking recognition must committee of full time officials and the U.K. Offshore Operators reached on machinery which said must mostly it of any intension, the union group was confirmed as the sole negotiating present their claims for recognition must be progressed. details.

Premier warns on pace of inflation BRITAIN MUST follow policies 5 per cent, by the middle of next, document "The Right Approach," retirement of Mr. Jack Jones.

that he would like to see the have to rely on written state. General Workers' Union when it this, and knowing Mr. Cousins, rate of inflation brought down to ments in the Conservative policy falls vacant next year, with the know very well that he is."

months. An unwarranted level inflation increasing and to secure the National Economic Developmonths. An unwarranted level inflation increasing and to secure the National Economic Development export-led growth more than ment Council, for rebuking Mr. tained, were not civil servants.

"There is no escape from that dilemma." Mr. Callaghan agreed with Mr. Stoke S.) to free collective bargaining and they make statements which are declared.

Commenting with approval on increasing and to secure the National Economic Development tained. Were not civil servants.

John Cousins, a member of his "You should condenn threats to employees of NEDC, he.mainment Council, for rebuking Mr. To employees of NEDC, he.mainment Council for rebuking Mr. Stoke S.) to free collective bargaining and they make statements which are adhere to and suggested that policy."

Longing for support from the Mr. Cousins is a leading con-Commenting with approval on in looking for support from the Commenting with approval on in looking for support from the Mr. Cousins is a leading con-Mr. Cottaghan answered: "I the statement made by Lord Opposition for its economic tender for the post of general am quite sure Sir Ronald is Watkinson. President of the CBI, objectives the Government would secretary of the Transport and perfectly capable of handling

The Government, he assured the Commons yesterday.

Much depended, he stressed upon the level of increases in carnings during the next 12 designed to prevent the rate of commons during the next 12 designed to prevent the rate of designed to prevent the ra

Employees of NEDC, he main

olicy. ment policy."

Mr. Cousins is a leading con- Mr. Collaghan answered:

Calrigorm: All runs complete, new snow on a firm base. Vertical runs 1.608 feet. Arress ruads slight snow. Snow level 1.500 feet. SCOTLAND

The Management Page

Terry Dodsworth profiles the 29-year-old managing lirector of a major part of British Leyland

Fast route to the top

merged as a strong critic of Unipart intact.

one of the most profitable units by 400 per cent, while the first vehicles and are moving into ine of the most problable units by and per real wine the foreign cars as well. The marketing batt

(1) the present there was a serious point activity has brought into the as taking both an MBA and a voluminous documents which the present there was a serious point activity has brought into the as taking both an MBA and a voluminous documents which the present there was a serious point activity has brought into the as taking both an MBA and a voluminous documents which financial background. He first keting within the division, was more commonly associated with the Unipart, Leyland's "com- more than order takers.

ISCUSSING British Leyland's petitive" parts concern, into the The background to the resent, well-known manage girlic calendar business. This emergence of this new way of ent weaknesses, Mr. Alex was a highly unorthodox move treating the parts operation at ark, its chief executive, once for a company not much given tive pressure which swept aid that he had no alternative to publicising itself at that through the industry during the ut to put young men "into the time: and, more to the point. 1960s. Parts replacement has othouse and hope that they it infuriated Lord Stokes, the always been quite a lucrative then chairman of the group.

eem to have weakened the finely-tuned combination of The car manufacturers nave strong advertising and pro-year.

orporation's appetite for elegance and exposure. It was now reacted in two ways. First, motion, in which the local LeyThe next big task is to switch workers, a £200m. turnover, and pedestrian products, were raised and pieces for each others'

Unlike most of the present there was a serious point activity has brought into the gement, he does not come from merchandising and then of mar. ing, aggressive sales techniques ame to the notice of Leyland's to change the inherited attitudes fast-moving consumer products. General Motors parts subsidiary, understand the rules," he says, ip management on his brash towards the market which meant nd rather bizarre decision to that salesmen had become little in evidence at Leyland with the marketing like setting up pro- understand the game. But I

business. But with a large seg-This is a brave policy, with After being summoned to the ment of the operation tied to byious inherent weaknesses: head office to explain his ex-manufacturers patented equip-eyland itself had no-little travagance—following the hal-ment, a degree of complacency couble 18 months ago with Mr. lowed traditions of the calendar had crept in which made it a leoffrey Robinson, who turned business the model had been natural target for predators. com high flier into enfant flown to a tropical island to be Specialist parts manufacturers, errible when he chose to photographed—Neill managed such as Quinton Hazell, began to isagree with the group's plans to persuade Lord Stokes that it emerge to attack the competitive or his own little bailiwick at was all in a good cause. The parts market—bits and pieces aguar Cars. Since then, as he calendar stayed and Neill which are not patented—while loved into politics and became emerged, as he puts it, with the established component prodistribution with the aim of The Unipart calendar starts grabbing some of the margins

outle last week it appointed a designed, according to event, as they have gone more aggressive. In the part of a grand strategy to turn sively into parts distribution, Unipart team advising on any role. He has landed in the job irrectorship of the parts into an aggressive sales cominto the retail trade, and gear-live in their gards. In the past two years 400 of doorsten. The next old task is to switch land dealer is backed up by a to a more general management. Unipart team advising on any role. He has landed in the job managerial problems that arise, with a challenge right on his irrectorship of the parts into an aggressive sales cominto the retail trade, and gear-live in their gards. pany. His salesmen would go ing up activity in their garage the image of a young man in sheet of the calendar—it comes petitive parts both for their own vehicles and for other month later with the next sheet month later with the next sheet month later with the next sheet manufacturers. The property is no doubting the present strike-bound, and work problem linked with exceptional dealers is gradually grinding to a halt. With only a week in the problem linked with exceptional disasters only, like the DC10 own vehicles and for other manufacturers. The problem linked with exceptional disasters only, like the DC10 own vehicles and for other manufacturers. The problem linked with exceptional disasters only, like the DC10 own vehicles and for other own vehicles and the problem linked with exceptional own vehicles and for other own vehicles and the problem linked with exceptional own vehicles and for other own vehicles and the problem linked with exceptional own vehicles and for other own vehicles and the problem linked with exceptional own vehicles and for other own vehicles and the problem linked with exceptional own vehicles are the problem linked with exception Neill conjures up an irrepressible image of a young man in sheet of the calendar—it comes moved more strongly into company attracted his bound and drop off the first outlets. Second, they have moved more strongly into company attracted his bound and drop off the first outlets.

> So behind all the gimmickry, ensued from all this competitive These techniques were most



shops," the display centres in establishing But this episode does not where Firem left on, with a on replacement for themselves. blend of bright packaging and much higher targets for next seem to have weakened the finely-tuned combination of The car manufacturers have strong advertising and next

> oreign cars as well.
>
> a lot of time on student affairs ing action which simply appeared at lectures "-as well already

development of the Unipart grammes, giving presentations, shall learn.

These display areas are meant are familiar. His first initiative to attract customers with a in his new position was to set

In the past two years 400 of doorstep. The parts division's

Strathclyde, in which he spent settle differences without tak--people used to clap when I damages everyone. But he has

So the areas of modern "although I don't necessarily and practice self-insurance. But could not meet the costs of litibeing systematically exaggera-

BY OUR LEGAL STAFF

dividends

BUSINESS PROBLEM

Taxing overseas cases 4 and 5 (overseas income) used by the remitting bank. is the same as under Schedule D Could you comment. please? is the same as under Schedule D Could you comment, please? exchange, perhaps we may quote you without some idea of the Case 3 (Interest receivable etc.). If the inspector persists in his from a reply published in the figures involved, but no doubt that is the preceding year basis refusal to allow the deductions on June 12 under the beginn to receive the property of the property o

normally applies with special and allowances to which you are inder tax on overseas dividends rules for new sources." As the entitled under subsection 1(a) of Reptember 15) you referred to actual cash income received is section 122 of the Taxes Act, tell ection 122 (1)(a) of the Taxes quite a bit less than the figure him that you wish your appeal et. The Tax Inspector here assessed and not accounted for against his assessment to be a section to be a section 122 (1)(a) of the Taxes quite a bit less than the figure him that you wish your appeal et. The Tax Inspector here assessed and not accounted for against his assessment to be fluses any bank charges on by bank charges I can only heard by the Special Complection of Australian divi-conclude that the rate of missioners; this should quickly ends and refers to "the basis exchange figure used by the resolve the impasse in your assessment under Schedule D Inspector is different from that favour.

On the question of the rate of amended. It is hard to advise Exchange control":

on June 12, under the heading to accept a working compromise "Exchange control": when he realises that he has

1972-73 £1=\$A2.013 1973-74 1974-75 59.1716p 60.168p

SA1= 49.677p "From what you say, we pre- misinterpreted section 122(1)(a) sume that you are resident, of the Taxes Act.

es of assessment under case possible. of schedule D should b measured by reference to the London buying rate for Australian demand drafts on the date on which each divi-dend was payable; this is implicit in the legislation but is not spelt out anywhere. In practice, if the taxpayer does not object, the Revenue often uses an average rate of exchange: whether this benefits the taxpayer or the Revenue depends on how the dividends are spread (or bunched) over each 12 months."

The average rates of exchange adopted by many Inspectors for case V purposes are as shown in the above table.

If the strict exchange-rate basis is adopted, you should bear in mind that fluctuations in the E/SA exchange rate while funds are lying in your Melbourne bank account may give rise to capital gains (or losses), under paragraph 11A of schedule 7 to Finance Act 1965, as

Business books

The Control of Staff-Related werhead, by A. Brearley. Macmillan, £10. An examination of the techniques available to improve staff productivity, the book provides a detailed study of the effectiveness of four representative programmes.

Price Theory by Milton Friedman. The Aldine Publishing Company, Chicago, £9.95. The author has updated this book originally published in 1962.

Swindling and Selling by Arthur A. Leff. The Free Press. \$10.95. This sets out to uncover the underlying elements com mon to both congames and modern mass merchandising and advertising.

How to Finance Your Company by Cyril Aydon. Business Books, £6.50. A comprehensive guide to numerous ways of financing a company.

The Social Challenge to Business by Robert W Ackerman. Harvard University Press. In this book, Mr. Ackerman deals with the adaptation of large corporations to the new social climate.

The Basic Arts of Marketing by Ray L. Willsmer. Business Books, £6.95. A marketing organisation is not a business necessity; acceptance of the marketing approach is. This book shows how to orient your



The high cost of injuries

BY A. H. HERMANN

THE EXTENT to which manu- wary of the idea of the welfare simulated facturers should be liable for state, opted for the former, animated cartoon films, showing injury and damage to consumers That it led to such an escalation the degree of care which the caused by defects in their of claims and awards is due to victim will require and the products, even if they were not three peculiarities of litigation miseries he or she will suffer, negligent in producing them, is in the U.S. an increasingly pressing The first growth factor in the wood studios at costs reaching question. Other related questudies up to \$70,000.

The first growth factor in the wood studios at costs reaching up to \$70,000.

Representatives of European tions are whether the liability liability industry" is the system Representatives of European should be limited - and of contingency fees. The industry were made accutely whether the insurance industry attorney (as the U.S. com- aware of the American product can cover it-or, whether the bination of solicitor and liability p oblem at the First State should be responsible for counsel is termed) meets the World Product Liability Conthe innocent victims of techno- costs of unsuccessful action but gress held in London recently.

mental and inter-governmental if successful. However, the tions. Represental commissions and only from time system leaves high and dry medium-size U.S. wed into politics and became emerged, as he puts it, with the established component prosnops, the display tentes in distribution with the aim of and launched by Neill himself, ting rid of them if they don't—
to time do they gain public those who cannot hope for an painted the picture of impending strategy for distribution with the aim of and launched by Neill himself. notice-mostly in the wake of exceptional disasters like that caused by the administration of Thalidomide

> The situation is quite different in the U.S. where courts award substantial damages and, more recently, also punitive damages. these centres have been opened, main warehouse at Oxford is at Nor is the U.S. product liability facturers of pharmaceuticals.

toiletries, electrical appliances, Self-insurance

Giant companies can budget against these responsibilities who have higher claims but smaller concerns must insure gation if unsuccessful — a risk ted, said Mr. Nader; there were and some of them find they can which in the U.K. bars from not more than 40,000 product which in the U.K. bars from liability cases pending before no longer afford the rising in courts all who are not poor liability cases pending before surance premiums. Not only the enough to receive Legal Aid and prises, but of whole industries—enormous costs themselves.
such as the manufacture of Another advantage of the co liability crisis."

ordinarily resident and

consumers collectively and the financially interested in the consumers collectively and the financially interested in the U.K. (and No legal responsibility can be only question remaining is result, to go to great lengths in product liability is right and resident here for exchange accepted by the Financial Times whether this should be done by order to impress the jury probably inevitable. But there control purposes also). On for the answers given in these sincluding the cost for such pro-Slides and films are projected should be limitations so as to including the cost for such pro-Slides and films are projected should be lawyers

logical advances pursued by is rewarded by between 25 per It was a most unusual conferequally innocent manufacturers, cent, and 50 per cent. - in most ence and the issues involved In Europe, these points are cases 33 per cent.—of the were presented in a dramatic being hotly debated in govern- damages awarded to his client confrontation of opposing fac-

> How much compensation customers should get from manufacturers for injuries caused by faulty products is being hotly debated in Europe at present

even such mundane products as attorney's outlay in bringing the turers to budget against their attornepeners.

attorney's outlay in bringing the turers to budget against their action is estimated at some liability instead of improving \$4,000 to \$5.000: a third of the safety of their products. \$15,000 would not reward his efforts sufficiently.

On the other hand the system Liability opens the door to courts to those

insurance companies claim that optimistic litigants who have sion explained that the EEC's the entire U.S. economy and in either no case or at best a weak projected directive differs from particular its export capacity one, and this protects the courts the present law of European is threatened by a "product from an even greater congestion countries by making the manuof work. However, some of the facturer responsible even if he The need to provide for com- worst effects of this system come was not negligent—thus coming pensation to the consumer of to the fore in two other im- close to the practice of U.S. mass produced goods, some of portant aspects of U.S. litiga. courts. which are bound to missire as a tion. One is the trial of product Mr. John Fraser, Minister of side-effect of incessant innova- liability cases by jury, and the State for Prices and Consumer tion, is now generally accepted. other the admissibility of Protection, who addressed the In the end provision against "demonstrative" evidence which conference provided some reassuch risks must be borne by enables the attorney, who is surance. In his opinion acceptconsumers collectively and the financially interested in the ance of the broad principle of

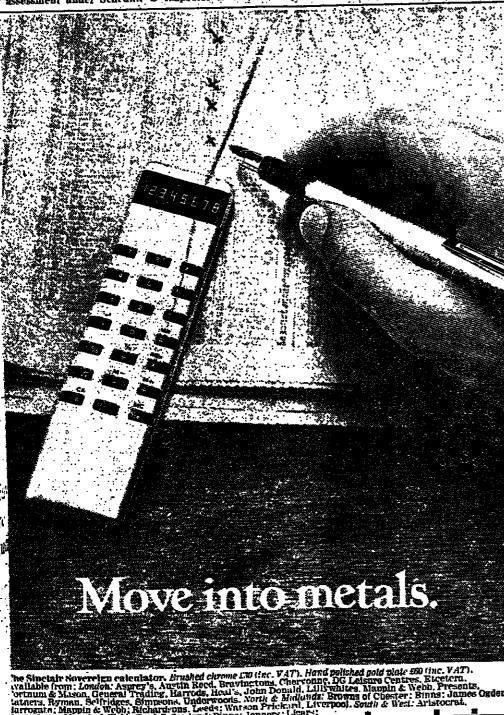
are sometimes ordered in Holly-

Representatives

Mr. Ralph Nader, the pioneer American consumers, answered them over an amplitransatlantic telephone while his picture larger than life was screened in the congress hall. He protested that the "product liability crisis" had been artificially induced by a collusion between industry and the insulers who are pressing for legislation which would clip the consumers' rights. He warned against EEC proposals to set upper limits for liability motorcars, machine tools and award of over \$15,000 since the —this would enable manufac-

The extent of the problem is U.S. courts at present. His Euroviability of individual enternot rich enough to bear the pean audience was impressed-prises, but of whole industries—enormous costs themselves. Another advantage of the con- tended. They were even more woodworking machines—is said tingency fee system is that the alarmed when Mr. Heinz to be threatened. Industry and attorneys weed out over-

that basis, your Australian columns. All inquiries will be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be included by pro- Sindes and hims are projected should be including the cost for such pro- Sindes and hims are projected should be included by pro- Sindes and hims are projected should be included by pro- Sindes and hims are projected should be included by pro- Sindes and hims are projected should be included by pro- Sindes and hims are projected should be included by pro- Sindes taxation. The U.S. public, still the weaknesses of the product in and the stifling of innovation.



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WEDNESDAY, FEBRUARY 16, 1977

Soares knocks at the door

Soares was talking of the need the economic difficulties. for a 10-year transitional period; But these are not the only now he says Portuguese indus- considerations. A number of

is bound to be one of the and full membership. most difficult issues for the entry negotiations. He has also Second chance accepted, in his talks with

PORTUGAL'S new timetable for seem agreed that it would be EEC entry, sketched out by Dr. most unwise to respond with a Mario Soares, the Prime political rebuff to Lisbon, even have seen in the last few weeks is probably as much a rebellion appears to involve a more rapid appears to involve a more rapid tion with little relish. Their line living standards have already been eroded by taxation as a move to full economic integra- so far has been to stress the revolt against the anomalies and tion than he has previously sug-political importance of links gested. Only last week, Dr. with Portugal while underlining

try will be able to bear the full EEC Governments, particularly brunt of EEC competition by those of the smaller countries, cline in living standards is 1985. At the same time, he has crity with which the Community removed any lingering doubts about the timing of his Govern-with Greece and do not want a country of the competition by are far from happy at the alabrought out clearly in the chart. It records the changes at quarterly intervals since 1972 in the chart. ment's formal membership repeat performance with Portuapplication. This, he has con- gal. Few people now seriously butions), of the average earnfirmed, will now definitely be question Greece's right to early ings of full-time adult male lodged in Brussels next month, membership, but there are in the expectation of a decision plenty who doubt whether the by the Nine to open entry negotiations by early next year at the latest.

Agriculture

But Dr. Soares has left a in the year. Countries like indeed the existance of time and interest in manufacturing industry. The chart indicates that average gross pay has moved roughly in step with retail prices during the past three years, irrespective of the going rate of inflation and irrespective, too, of the nature—or, in the year. Countries like indeed the existance of a form But Dr. Soares has left a in the year. Countries like indeed, the existence-of a fornumber of important questions Belgium, who most fear the mal pay policy. It is only now, unanswered. He was less than Community's dilution into a with inflation running at about totally clear at his Press confer- loosely-knit free trade area, have 15 per cent. a year and the ence about the precise target already suggested that some growth in industrial earnings date he envisages for full temporary kind of half-way expected to slow to about 7 per membership, and he made no house should he found for cent, that the real value of mention of agriculture, which Portugal between association average gross pay is falling.

problems that will have to be tackled before full member-ship can be achieved in practice. What he is really seeking the interest in holstering Portugal's feed drag and his increase in the same has teceived the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe ally which has eroded the living 73 and who has received the allowed to democratic country in Europe tice. What he is really seeking interest in bolstering Portugal's fiscal drag and his increase in since then, plus the same per with two children under 11 and that matter any Conservative revaluation, but it would be in tax reliefs. Furthermore, if by the Nine that Portugal has a valid case.

Soares, who has staked the future of his Government on a future of his Government on a future of his Government on a future of his Government on that the authority of his minority Government will be undermined and the chances of a Communist take-over immeasurably increased. It is a for Lisbon to put the country's earning the industrial average and he has repeatedly played.

It is boust the Government's revenues, to boust the Government's revenues, a valid case.

The chart has been drawn up on the assumption that the average industrial earner is married and the chances of a communist take-over immeasurably increased. It is a for Lisbon to put the country's earning the industrial average and he has repeatedly played.

It is a country when the Labour the first step in the switch from earning the industrial average and he has repeatedly played.

It is a country when the Labour the first step in the switch from earning the industrial average and he has repeatedly played.

It is a country when the Labour the first step in the switch from earning the industrial average and he has repeatedly played.

It is a country when the Labour the first step in the switch from earning the industrial average and he has repeatedly played.

It is a country when the latter in the 1974 to restore the family man when child not everyone's pay packets since the family and were than a tenth of one per cent. of everyone's pay packets since the family man when child not everyone's pay packets since the family man when child not everyone's pay packets since the family man when child not everyone's pay packets since the family man when child not everyone's pay packets since the family and were everyone's pay packets since the family man when child on the standard are of the standard rare of the standard rare of the standard rare of the single person.

It chart the authority of his down not man that Portugal was already a high tax country when the Labour the family man when child one everyone's pay p by the Nine that Portugal has be unwise to disappoint Dr. to boost the Government's revemeasurably increased. It is a for massing the industrial average no lower in relation to average that in one tax allowances and family allow- a full year. in the past few months, warning with Community help, and for has been broadly similar. The industrial earnings than in one and tax allowances and raming and a full year.

There is not even any important to the average earner, and an differentials, to facilitate in the new child benefit. the Nine of the threat of a the Nine to give serious thought | lower paid worker—earning, or two other West European scheme, the tax threshold for mediate possibility of raising extra 1; per cent. for those earn-proved retirement provisions with the married man with two tax thresholds by amounts which ing double or three times the or to start consolidating the average (and only 10 per cent. rate of tax naid by the person the married man with two tax thresholds by amounts which ing double or three times the or to start consolidating the average.

Slow recovery in output

rather than a science, but at which go to make up the index David Thomas, marketing least it is now possible to involve translating current data manager of the George Tutill the former was reporting cro- rather than actual output, and ceptions about flags.

this. The proportion of firms the Spring Bank Holiday in the working below capacity had middle of last year and the profallen for four successive longed Christmas holidays at surveys, from a peak of 78 to the end of it. 64 per cent.; for comparison, the proportion working below Expectations capacity 12 months after the For all this, the official interturn of the previous business

INTERPRETING THE index of The statisticians have several industrial production is nowa- good reasons for caution. One days more than ever an art is that the majority of the series to be much more in line with figures are seasonally corrected, the suffix when the properly one another.

and these corrections may themnamed Union Flag is flown from Weish woe The picture given by the selves be a source of error when CBI survey held last month vas holiday patterns alter, as with of Her Majesty's vessels.

pretation of the index now is

cycle was only 52 per cent., so that production overall rose in that the recovery appears to be real but relatively slow. The direct question about output is still a little ambiguous, since value means little in a period value means little in a period.

Transport Board."

only the Queen can order half-mast flying.

only the Queen can order half-mast flying.

Thomas adds that there are no after changing little in the summer. Overall production is national or other flags, but thought to have risen by about planning permission is generally planning permission is generally paper and vehicle signs is the lock, national sales and adversal cabinet mast flying.

Welsh). but the commercial Transport Board."

Only the Queen can order half-mast flying.

Thomas adds that there are no flying strictions here on flying strictions here on flying that production overall rose in mast flying.

Thomas adds that there are no flying strictions here on flying strictions here on flying that production overall rose in mast flying.

The direct question about output is summer. Overall production is summer. Overall production overall rose in mast flying.

Thomas adds that there are no flying strictions here on flying that the commercial transport Board."

One of the most recent West Wales and North Wales are relatively thought to have risen by about thought to have risen by about planning permission is generally planning permission is generally paper and vehicle signs is the lock, national sales and adversales. of rapid inflation and the question has been asked in terms of volume for less than two half as much The in about planning permission is generally needed to put up a staff facturing production by about (movable) or pole (fixed). of volume for less than two half as much. This is much more gars.

Obviously, the more flag along the South Wales coast to go bilingual."

Obviously, the more flag along the South Wales coast to go bilingual."

Tutill and the eight other British flagmaking companies are constant in the conclusion that out flagmaking companies are constant with the CBI findings.

To wavers the better as far as from Swansea to Newport. It But then he's been soured by has bowed to pressure from the experience. He once looked flagmaking companies are constant with the conclusion that out flagmaking companies ar the answer to the value ques intermediate and consumer cerned, though Britons on the the answer to the value quest intermediate and consumer whole are not nearly so keen discovered that the Government name for myself and went cost could be financed from EEC ready allowance for price move- ment goods industries it is still prouse heard positively encourages State around wishing everyone grants. But that was before ments—suggest a gradual rise weak—a fall of 0.3 per cent be- However, the Tutill group, based in real output over the past 18 tween the third and fourth in Chesham. Buckinghamshire, in real output over the past 18 tween the third and fourth in Cheshain. Buckinghamshire, of bilingualism, it is now look. New Year' in Welsh, but nobody limits in Brussels. months while the answer to the quarters of 1976 according to has been gratified at the occa-ing for a way of printing its understood me." volume question does show a the CSO, a high (76 per cent.) sinnal peaks in demand. The rolume question does show a the CSO, a right (70 per cent).

Silver Jubilee should be a good without turning the paper side has so far managed to stay off the summer of 1975. It was at firms working below to capacity excuse for flags—Tutil has just ways, and is about to decorate the bandwagon. Frank Jacobsen. about that time that the official according to the CBL This posi-index of production, too, tion may alter if investment mercial jubilee flags fabricated. It is not the touched its lowest point. The plans work out according to the from a rich gold nylon material. BTDB name has appeared in We've had no Weish trouble, is a 19th-century sign warning. recent trouble with the official common official and CBI expectance and previous demonstrations weish. Near its £21m, ore except when the rugby crowds index has been that it has tation. The main worry about of national enthusiasm included terminal developed for the come down." index has been that it has tation. The main worry about of national entities in the answer to the Backing Britain campaign British Steel Corporation at without showing any clear the CBI question about expected and a little oddly, the three-day Port Talbot stands a commemorative sun-dial made from stain-little oddly, the three-day rative sun-dial made from stain-little oddly. cians have cautiously concluded put: the balance of firms expectThomas has often noticed that less steel. Beneath it is written Having decided to press on with months is markedly lower.

F THE social contract falls apart in the attempt to negotiate a third year of voluntary pay restraint, the will probably need to look no further for one of the principal causes than its own past complacency towards the greatly increased tax burden which it has placed upon industrial workers at all levels of earnings. Before Mr. Denis Healey became Chancellor of the Exchequer three years ago, he talked with relish of making the rich howl with anguish. The howls are now coming from the industrial worker. The groundswell of opinion against another year of pay restraint which we have seen in the last few weeks

been eroded by taxation as a

rigidities bred by the first two

phases of the Government-TUC

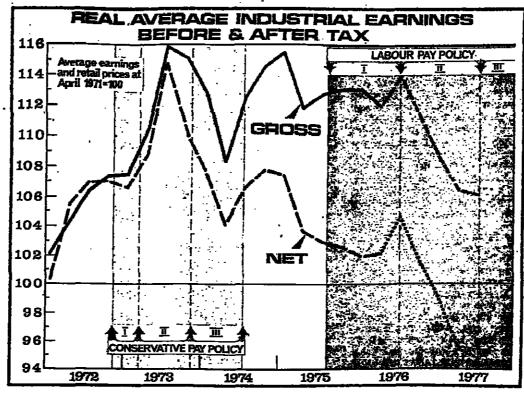
pay policy.

The contribution which income tax has made to the de-(and national insurance contri-

In contrast, the real value of take-home pay, after tax and Portugal's case for full mem-Mr. Callaghan, that there are a large number of serious economic, social and financial problems that will have to be solved and the Nine in the control of serious that will have to be solved and the Nine in the control of serious that will have to be solved and the Nine in the control of serious that will have to be solved and the Nine in the control of serious that will have to be solved and the Nine in the control of serious that will have to be solved and the Nine in the control of serious that will have to be solved and the Nine in the control of serious that will have to be solved and the Nine in the control of serious that will have to be solved and the Nine in the control of serious that will have to be solved and the Nine in the control of serious that will have to be solved and the Nine in the solved and the Ni

Phase III: tax and the sinking industrial wage

BY COLIN JONES



OPTIONS FOR PHASE III

Increase in Take-Home Pay*

		Low_Paid				Higher Paid			
-	Est. cost	} Avera	-	Avera	-	Avera earning	_	Avera	
A. Lower Taxes	£m.	£a wk.	<u></u> %	£awk.	. %	£awk.	%	£a vk.	<u>%</u> .
Increase in Personal Allowance	,								
Married couple +£140	810	°0.94	2.4	5.94	1,7	1.21	1.2	1.72	1.3
Single person +£65	190	0.44	1.1	0.44	8.0	0.62	0.7	0.81	0.7
New 25% Reduced Rate on first	1,000-		•						
£500 of taxable income	1,250	0.96	2.4	0.96	1.8	0.96	1.0	0.96	0.7
£500 increase in all higher									
rate thresholds	100 plus	_	-		_	0.96	1.0	2.30	1.3
B. Higher Pay									
Increase in gross pay of:									
6%		1.77	4.5	2.65	4.9	4.65	4.7	4.71	3.6
8%		2.37	6.0	3.55	6.5	6.15	6.2	6.30	4.8
10%		2.95	7.5	4,42	8.2	7.64	7.7	7.85	5.9
,•									

should acknowledge it. Every of oil prices or inflation gener. the industrial average in 1812 white democratic country in Europe ally which has ended the living 73 and who has received the allowed to decline from the voluntary pay restraint needs to person's and married person's figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by 1978 are at best married person at the figures by

under 11 who was earning twice 324 per cent. to 404 per cent.) might be able to offer as non-working poor.

centage increase as the average from 26 per cent. to 20 per cent. Chancellor) eliminating in one enough to offset the nominal TUC has again manoeuvred in the 1974 to for the single person.

Budget the increased hite which reduction in tax thresholds for Chancellor into the position

"European Cuba" in Portugal with the danger of a domino reaction throughout Southern Europe, starting with neighbour-ing Spain. The point has not been lost on the Nine, who now with a second chance.

Say, two-thirds of the industrial countries; but the marginal rate of tax paid by the person of the marginal rate of tax paid by the person children under 11 will fall to savetage (and only 10 per cent. of all full-time men aged 21 or over earn two-thirds, or less, of the industrial average (£7,770 and one constitution of all full-time men aged 21 or over earn two-thirds, or less, of the marginal rate of tax paid by the person crossing the thresholds by amounts which ing double or three times the or to start consolidating the marginal rate of tax paid by the person crossing the threshold was substantially greater than in any other industrial average (£7,770 and one crossing the threshold was substantially greater than in any other industrial average (£7,770 and one crossing the threshold was substantially greater than in any other industrial average (£7,770 and one crossing the threshold was substantially greater than in any other industrial average (£7,770 and one crossing the threshold was substantially greater than in any other industrial average (£7,770 and one crossing the threshold was substantially greater than in any other industrial average (£7,770 and one crossing the threshold was substantially greater than in any other industrial average (£7,770 and one crossing the threshold was substantially greater than in any other industrial average (£7,770 and one crossing the threshold was substantially greater than in any other industrial average (£7,770 and one children under 11 will fall to overlap and growing overl

pay tax on earnings from employment exceeding only £20.87 a cut of 2 per cent. in the pre-

sector borrowing requirement limited by the Government's undertaking to the IMF, the sum is likely to be relatively modest. The best outsider's guess at the moment would seem to be up to about £1bn. This figure could of control be increased by further reductions in public. The difference some, or all, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example, would "cost" the revenue somewhat over £100m, all the way up the scale, for example somewhat over £100m, all the way up the scale, for example somewhat over £100m, all the wa of course be increased by The difference some, or all of further reductions in public these tax reliefs would make a spending or by extra taxes else the net value of different perwould yield roughly an extra suggestion of a 6 per cent limit

Whatever the final sum, it is per cent, for wage drift—hap unlikely to go very far towards been hotly turned down by the preserving real value of net TUC. It would be worth just take-home pay in 1977-78. One under an extra 5 per cent, net widely canvassed possibility is for the average earner and

Further up the scale the post- paid at the threshold has been any make in his Budget).

All the speculation about the tion is now widely recognised raised from 30 per cent. to 35

All the speculation about the the working poor being taxed, would be the restoration of tax of the industrial worker in the speculation about the specific about the speculation about the specula as having been even worse. A per cent (or, including national nature of the income tax "re- and taxed relatively heavily, to relief on national insurance con- order to sustain and improve the income tax "re- and taxed relatively heavily, to relief on national insurance con- order to sustain and improve the income tax "re- and taxed relatively heavily, to relief on national insurance con- order to sustain and improve the income tax "re- and taxed relatively heavily. married man with two children insurance contributions, from ductions" which Mr. Healey help pay for the benefits of the tributions It would be administ what it terms the social wasse tratively complex and therefore in public spending.

Three years ago a childless costly. Because of the structure couple would have received of income tax, it would benefit £14.48' a week in supplementary the higher paid more than the benefit (including an average average earner and the low-paid rent addition) and they would worker. And broadly the same have started to pay tax, if the effect—in terms of revenue fore husband was employed, once he earned more than £14.91 a week.

—could be achieved by a reduce. To-day they would be entitled to £27.92 in supplementary benefit (including rent) but would ance contributions, for example,

sent 35 per cent, standard rate How much Mr. Healey could If Mr. Healey wants to help afford to "give away" in his the manager, as he has more Budget probably not even he than half hinted, then the more knows for certain at the straightforward—and as the moment. The pre-Budget fore- table shows—much cheaper, waycasts are still being worked out, would be to raise the threshold.

But, with next year's public at which the higher rates of the

where. For example, each percentage increases in gross pay centage point increase in the during Phase III can be calculated from the table. The CBB lated from the table. The CBB lated from the table. -a 3 per cent. norm. plus 3

the restoration of a reduced rate rather less for both the low-paid of tax on the first tranche of and the higher-paid. But if Mr. taxable income—say, 25 per Healey were to see his way cent, on the first £500. This £21bn, worth of tax cuts—£1bn would cost the revenue some for increased personal allow what more than fibn. in a full ances, fibn. plus for a new reyear and reduce the tax-bite for duced rate, and £100m. plus for every taxpayer by the princely a £500 increase in all higher rate sum of 96p a week—adding, as thresholds—then a 6 per cent can be seen from the table, increase in gross pay and thes about 11 per cent, to the net tax reductions would be worth pay of the average earner, an extra 91 per cent, net for the Alternatively (or, perhaps, family man earning two-thirds additionally) Mr. Healey could the industrial average, an extra devote £1bn. to an increase in 8181 per cent. net for the aver personal allowances—say, an in- age earner, and up to an extra crease of £140 for the married 6-7 per cent. net further up the

Beflagged

reconcile without too much into 1970 prices, a process which company which has been flag- tricky aspects to the subject of

of Her Majesty's vessels.

original George Tutill started it mainly to produce trade union marketing banners, which are still made. Quite apart from the many

difficulty the accounts of recent is inevitably hazardous when making since the middle of the flying flags, the future is disexperience given by the Central price differences are as large as last century, works in a much tinctly uncertain. Post-devolu-Statistical Office and the Con- they have been recently. An- misunderstood business, and he tion, Wales and Scotland will federation of British Industry, other is that many of the series cheerily rattles off, then presumably insist on separate Until a couple of months ago are based on delivery of goods demolishes, a string of miscou- national flag identities, and the old St. George's Cross should duction as virtually stagnant this can involve short-term dis- | For a start (and) am sure become much more common in while the latter, on the basis tortions of some magnitude—
this is something everyone else England. At least there will be
of its industrial surveys, was which the CSO attempts to estibut me learned about in their fewer of those tedious protests reporting a very gradual mate—when stock levels are youth) the Union Jack is mostly about flying the Union Flag uprecovery. The two now seem changing. A third is that the misnamed; it can only be given side down.

Apart from independent flag-Then there is the muddled flying, another sign of increased question of flying flags at half national pride is the growth of mast. That doesn't mean half interest in local language. The way up the mast, says Thomas: official backing for Welsh is the idea is to position, say, a evident in road signs and in four-foot-deep flag four feet education syllabuses (there is from the top of the pole. And only the Queen can order half.

The idea is to position, say, a evident in the signs and in market."

ironically it was his task to stand up in Brussels yesterday translates as "British Docks and stress Ireland's determination to bar some of the larger world has been somewhat the signs and in market."



On the other hand it's training for their into the market."

paper and vehicle signs is the lock, national sales and adver- ministers have shown interest in British Transport Docks Board tising manager: "It's not com- a "revolutionary" new Japanese which looks after five ports mercially possible or desirable seaplane the Mitsubishi U.S. 5.

it to mend its ways. Having Wales. "I wanted to make a up to 75 per cent. of its \$20m. concerns to put up the facade 'Happy Christmas' and 'Happy Donegan claimed Ireland's extra

the manager, says: "We are My "beware" series lives on. It is not the first time the rather cosmopolitan down here. In the East Anglian fen country

that the underlying trend has ing an increase in the next few times of union militancy bring "Bwrdd Trafnidiaeth Dociau its decision to impose unilateron a rash of flag-buying. That Prydeinig" which unfortunately ally a 50-mile fishing limit in

the teeth of considerable opposition in Brussels the Irish Government is now working out exactly how it is going to police its expanded seas.

The problem was vividly illustrated last September when the pride of Ireland's four-vessel fishery protection fleet, the 450 d.w.t. minesweeper Grainne, "arrested" the 2,700 d.w.t. Russian trawler Belmorye. The worry was that one false move by the Soviet quarry could /e scuppered its captor.

The Grainne successfully landed its catch but the David and Goliath dimensions of the incident led the then Defence Minister, Paddy Donegan, to complain that the fishery protection fleet was not even sufficient to police the old 12 mile limit. Donegan has since become

Fisheries Minister and rather

"Our keepers now have orders to shoot poachers on sight and question them afterwards, if practicable."

Observer

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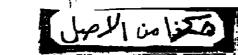
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FINANCIAL TIMES SURVEY

Wednesday February 16 1977

London Metal Exchange

The London Metal Exchange Centennial year has started on a buoyant note with price increases for all five metals traded, including record levels for lead and tin. But the outlook is clouded with uncertainty about the world's economic state and the threat of shortages because of lack of investment in new mines.

Clouds ver he narket

y John Edwards

mmodities Editor te been said at any time have discouraged investment in to ensure future supplies. ainty in all commodity more assured."

esecable future.

antities for further use. id cost of obtaining them in to develop their own resources e future, compared with the or develop substitutes, where deposits possible to reduce their vulploited in the past. The depth nerability, even if this is not a

es and prices of non-ferrous supplied with sufficient raw price stabilisation. tals is distinctly clouded in materials. At the same time

ing the 100 years of the the third world, where the bulk change's existence - so un- of the world's natural resources dictable has been the be- are now concentrated. Accordis the break up of the of millions of dollars of capital tton Woods monetary system that might have flowed to the ulating international ex- Third World has been invested

In other words there is a his uncertainty is intensi- great reluctance to invest the ! in the case of metals by increasingly large sums needed growing concern about the for metal mining projects in pletion of the world's non- countries where nationalisation, newable resources as demand crippling taxes or other imposts reases year by year. The might make the nivestment supply crisis focused atten- worthless or non-profitable after n on the problem of future's short period. This is a probplies of vital raw materials lem that will have to be solved industry. In fact it is now urgently if the world is to have ierally accepted, despite sufficient non-ferrous metal supne gloomy Malthusian fore plies in the 1980s, since the gap is by the Club of Rome, that between exploration and actual earth's crust does contain mine production is a long period acient supplies of most raw of five to seven years or more. terials, with the possible There are two main stumbling eption of oil, to last for the blocks. One, triggered off by the oil crisis, is the fear that prot should also be remembered ducers of vital raw materials it many metals do not dis-might decide to try to follow pear once taken out of the the example set by the oil proound and used by industry, ducing countries and form t can be reclaimed in varying supply cartels that could hold the consumers to ransom, The big problem with the possibly for political motives. pply of primary metals, how. It makes sense in that context er, is the increasing difficulty for the industrialised countries

search Association warned in a special report recently review by effective in the long term and already. The main complication pricing system over the years, alled, returns in correct trading, and development in certainly not during periods of is that the political report which has resisted all kinds of commodity trading. But too increased sums, involved, the depending on the current rate the 1980s "the system by which industrials which industrials with greater obtaining with greater obtaining and silver prices.

The success of the LME shown up in the careful, de- has also broadened.

The table trading in the careful, de- has also broadened.

The table trading in the careful of the three mounts quotation are commodity trading.

The success of the LME shown up in the careful, de- has also broadened.

The table trading trading in the careful of the three mounts quotation are commodity trading.

The success of the LME shown up in the careful, de- has also broadened.

The table trading t

ntennial. This could probably political developments which could be been said at any time

the London Metal Exchange may producers. by at risk. Demands by pro- Nevertheless

one has to dig. the grade of sensible policy from overall supply to the rest of the world. Metal Exchange, which at changes on "paper" money. The with strong producer interests, "long term" investment in deposits worked and the diffi- world view.

are receiving a much more present virtually sets the prices Bank of England sounded a International representation has metals, as well as an increasing. The initial scare that a lot of positive response from con- of copper, lead and tin world- warning in 1976 when it forced spread considerably so that a awareness by banks and finanmini-Opecs might spring up sumers worried about the wide outside North America, the temporary suspension of much wider range of countries cial institutions in Britain and all have an effect on the cost has lessened as further studies future supply situation. It is and which also has an import non-trade business in the zinc is directly involved in ring abroad of how to use the

the 1980s, "the system by which industrial depression. However, cussions of a swing in power alternative attempts to control capital has hitherto been found there is also little doubt that from the industrialised world prices, is that its prices reflect might deal a faial blow to the to become larger and larger. Although strictly non-trade for mineral development has producer cartels could play a to the primary producers has all kinds of influences not just LME's role as an international groups with the smaller, inde-business, the extra funds flowing

groups which have previously commodity pacts between pro- by copper, where producers and the modern political world this Exchange. IE OUTLOOK for future sup- managed to keep the world ducers and consumers to seek consumers negotiating directly might be a difficult argument to appeared to be making good pro- sustain, especially if the pro-This leads to the second gress, but have since become ducer achieves a more duminant markets on the Metal Exchange. A new element in the market far more than merely an insuring the second gress, but have since become ducer achieves a more duminant markets on the Metal Exchange. A new element in the market far more than merely an insuring the silver contrast was has been the growth of so-called cal relic of the City of London. year in which the London the mining groups have stumbling block; the need for bogged down by the political role, as seems likely. Unctad's over courage the investment required elaborate plan for an integrated Exchange may well have too promising for the future. commodity programme and radically to change the formula especially with several of the Not only do prices have to be multi-buffer stock fund. In the that has served it so well over current metals traded likely to high enough but also have to International Tin Agreement the past century, since it be subject to more outside price offer the prospect of remaining too. increasing political argu- started as one of the "coffee control. fact remains that in recent can Research report "hundreds at a sufficiently high level to ments have handicapped the shops" in the City of London. But the Exchange has shown justify the investment. And it previous smooth working of the is here that the future role of debate between consumers and criticism about the volume of powers and ability to adapt in

ustrainsed world, have financial outcome is more pre-stable guaranteed return for on price stabilisation, reducing seeking protection from the lessening the previous domin-ainty in all commodity more assured."

stable guaranteed return for on price stabilisation, reducing seeking protection from the lessening the previous domin-ainty in all commodity more assured."

there is also little doubt that from the industrialised world for mineral development has broken down."

The steep increase in exploration and production costs as a result of inflation has raised the countries to take a much more amount of investment required for developing new resources to massive amounts, often beyond on Trade and Development, amounts of the mining amount of the mining amounts of the mining amounts of the mining amoun the resources of the mining amongst others, to encourage A prime example is provided the cost of production. But in change in the future for the right proportion of participation carrying losses.

Already there is increasing over the years excellent survival speculation influencing Metal accordance with changing cirseems Exchange prices in recent years cumstances. Membership of the t in the inflation rate in the supplies in areas where the diversified that eventually some as a result of the big inflow of Exchange has been diversified -ustrialised world, have financial outcome is more pre-

domestic

since the silver contract was This means that the Metal introduced in 1968 does not look

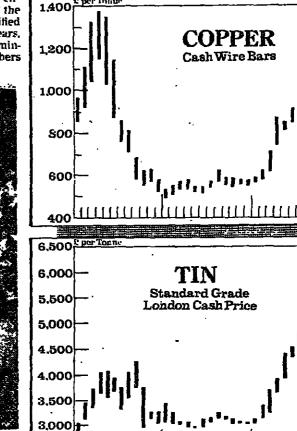
curbs member companies have tended of interest, by banks, investment organisa-

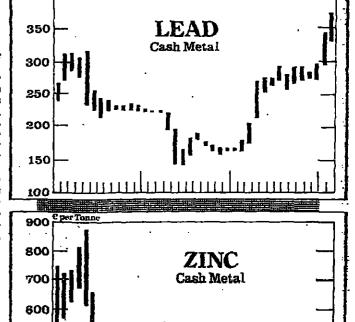
The failure to start any new tions and speculators.

In this role alone, the Metal Exchange has proved that it is A new element in the market far more than merely an histori-

LONDON METAL EXCHANGE MARKETS

(Monthly Highs' & Lows')









Fortunes of the five metals traded

arket (Comex) the lead in xcept North America, where cally low level. oducers have their own fixed

hich for many years has been in the 1980s.

Surplus

untries, which provide the the cost of production for at International Tin Agreement even more. alk of the world's copper least 50 per cent of the world's between producing and consumsports and rely on them as supper producing mines. Cur. ing countries. revers in the London Metal Ex. producted price, at which the industrial demand has been teir main, often virtually sole, rent surplus stocks, and the A buffer stock, backed by pro-change at present, inflated by bulk of supplies used to be sold hit by the general economic BUICE of foreign exchange earn- already planned increases in duction quotas when required, the fall in the value of sterling, under direct contracts between recession, but continues to igs. Hence copper is one of output, are expected to ensure has enabled the "floor" to be A large proportion of lead producers and consumers, has exceed new production by a 183. Assume copper is one of output, are expected to be an included successfully, with only supplies comes from scrap been disrupted by heavy dislarge amount annually. Even hich UNCTAD is seeking to the next few years. But with one brief exception. But so far sources — something like 60 counting and the availability of though there are ample stocks trange its international price little investment attracted at no means has been found of preper cent. of U.K. total lead much cheaper supplies from of silver above the ground to abilisation agreements. Third a time when the cost of increase venting prices rising above the supplies. Consequently produce other sources, notably the LME fill the production shortfall for foreseeable future, these remed the Council of Copper mously, an acute scarcity of -- as now. xporting Countries (Cipec) supplies is expected to develop. The remarkable turnround in mand for lead is kept steadily, tion from the U.S. have also forthcoming unless the price

econdary scrap supplies have producers, in producing a metal tin are being discovered, while supplies.

Eastern European sources or on views about inflation, the roved too difficult to regulate. requiring a high energy input, the cost of exploiting known

Unexpected extra demand consumers with surplus stocks, rise or fall in grain markets, at present, because high For the short-term the trend lower-grade reserves has risen from Eastern Europe, where a to provide the free lower-grade reserves has risen from Eastern Europe, where a top of the first resources controlled to the first resource of the first resources of the short-term the trend lower-grade reserves has risen from Eastern Europe, where a top of the first resources of the short-term the trend lower-grade reserves has risen from Eastern Europe where a top of the first resources of the short-term the trend lower-grade reserves has risen from Eastern Europe. rrices in the late 1960s en- in copper prices is likely to be fast

It altracts warehouses alone there are A worsening situation in only slow progress. ast interest, reflecting not only over 600,000 tonnes, which com- Southern Africa, another big ide supply and demand, but pares with a previous peak of copper producing area—could Some relief for the short- buying by producers which has taking some time to recover. so acting as a general indicator 190,000 tonnes in December have an important effect. So term shortage of supplies may been used in the past to main-especially while

Although present prices look and Malaysia the main market which have filled supply shortarket is acknowledged as the sis for direct supply contracts

Sise for direct supply contracts

Size fo sis for direct supply contracts steep late in the value of seals only available in London, the held and their importance to the supplies. ween producers and con- and west defining, he had been been an interest and their importance to the mers all over the world ample, prices are at an histori- LME is likely to retain its im- U.S. which holds no known portance as the main pricing reserves of tin. Prices are, there-market for the industrialised fore, expected to continue risworld. Over the past 20 years ing although the point is fast Zinc values are currently in tinued buying interest from apper market is also of great

As a result it is estimated control within a "floor" and or replacement will reduce the tinued poor demand building protection against inflation and apprending that present prices are below that present prices are b tin prices have been subject to approaching when substitution

ouraged production, and there largely influenced by whether or In Malaysia, the world's big- lieved to have suffered major and producer prices. This has, developments,

)PPER IS by far the most stocks of copper worldwide workers, when their three-year pounded by shortage of avail- from the Western world, has 40 sportant market of the five have built up to record amounts. labour contracts come up for able land. Moves to exploit tin reduced surplus stocks of lead capacity. etals traded on the London In the London Metal Exchange renewal in the summer months, reserves offshore have made in the LME warehouses con-

Lead prices are at record levels in the London Metal Ex- producers' price, at which the Industrial demand has been recession. At the same time de- Threats of anti-trust legisla- supplies are not generally the tin market during the past if not spectacularly, growing by made producers, with American is sufficiently attractive to seking methods of boosting. The long-term prospects, two years from a position where the increasing use of batteries connections or sales, increased persuade the holders to sell.

rices to more "realistic" therefore, are for much higher heavy surpluses depressed — its main industrial use, ingly wary about defending the The LME silver market The long-term prospects, two years have a surpluser depressed — its main industrial use inclived wary about defending the The LME silver market, therefore, are for much higher heavy surpluses depressed — its main industrial use inclived wary about defending the The LME silver market, therefore, are for much higher heavy surpluses depressed — its main industrial use inclived wary about defending the The LME silver market. prices, especially as substitution prices to the present shortage Moves to reduce, and even producer price system. So far these efforts to control from aluminium is likely to be which is forcing prices higher eliminate the use of lead comrices have failed, like past at a much lower ebb than in the and higher, is attributed not pounds in petrol, have been reached whereby individual "open" markets in New York stempts when the combination past because of the production only to greater demand but also greatly slowed down by the oil producers buy cheap price and Chicago, as well as the f production throughout the and price problems which also to the underlying basic problems and the priority given to supplies from the LME market in London. Price corld and the large volume of face bauxite and aluminium lem that few new deposits of making the most of petrol the bulk of which come from trends, therefore, depend more

tas been a low level of demand not there is a sustained strike gest producer of tin, the prob- production shortfalls that have however, entailed cutting back in the past two years, surplus by U.S. non-ferrous metal lem has been further com- had to be made up by purchases production by between 30 to

siderably and pushed up prices of supplies of 1973-74 caused a without the help of the support decline in zinc demand that is

Values

LME warehouses and in pro- with its strong historic ducers' hands. The European monetary links.

Eastern European sources or on views about inflation, the big Soviet Union smelter is be petitively by "mixing" the LME any

400

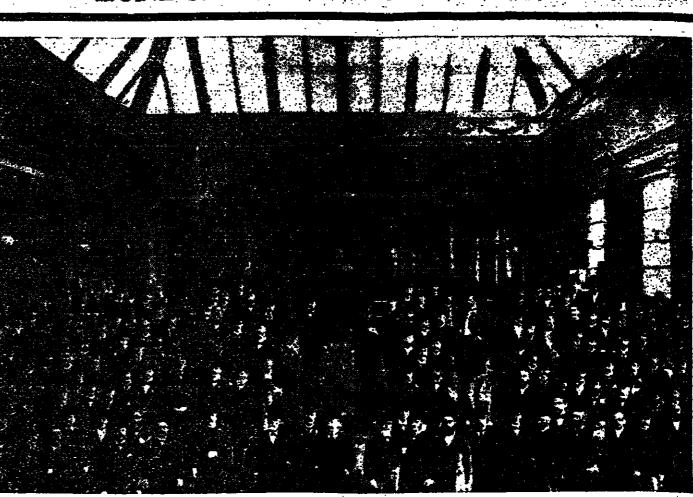
500

400

industrial and economic well- 1972 and around only 10.000 could possible moves by the U.S. is come from releases by the U.S. tome from releases by the U.S. to the U.S. tome from releases by the U.S. to the U.S. tome f record levels in both London However, stockpile releases, more lead in the short term but to higher price levels is more lead in the short term but appeared particularly as the less in the long term, is ex- expected, particularly as the pected to hold the market firm cost of substitute materials like arket is acknowledged as the algor inflation. Malaysia is planning to start a are likely to be the subject of for some time yet. A strike by a during recent years and the tin futures market to provide greater debate in the future in U.S. metal workers in the sumnew production.

> Silver values have risen steeply, reflecting the fall in the value of sterling and con-

A compromise has been by speculators like the other



Members of the London Metal Exchange pictured in 1897 in the Whitlington Avenue premises. Since then a false" ceiling has been installed, partly to prevent rain coming through which on occasions forced traders to put up umbrellas when trading to avoid getting soaked.

The 100 years since Cowper Court

key" developments, and from cant steps in its evolution.

kets all played their part. Com- this. modity markets naturally gravi-

special place of their own in the 1953. evolution of the London mar-

necessity. For a while they met The exchange had by this contracts for Chile bar copper ket for a fabricator seeking in the newly opened Lombard time consolidated its authority and for Straits tin. The maximarginal requirements over an Exchange and Newsroom. But as the source of representative mum forward trading period above those already contracte of by brokers in other trades there and in so doing it had months; this being the everage therefore the setting of th and to this extent failed to give set certain times of the day for voyage time from Chile via the standards for the LME contract the metal merchants all the official trading. The periods Horn, and from the Malay has been a question of con advantages of a home of their were short (from 12.30 to 13.15 Straits via the Cape of Good promise between two apparenti

Decision

need as well as to establish their established as early in the market on a more formal basis LME's history as this: under set rules of conduct that chants and brokers under the conduct true terminal market as dirable—and this in a metal appreciate the finer points, place in January, 1877, and so the LME was born.

members felt that the Board a watch and a bell.

which would be responsible for managell has been replaced by although or migner purity can in Bremen.

forwarding the interests of the electronic clocks then the fact be less attractive to users. Even this geographically membership at large. The first hubbub of Ring dealings has with certain applications in rather modest development has election was duly held in March continued its staccato way viring that year and the first Community unaltered.

The fact be less attractive to users. Even this geographically in rather modest development has some form of high-grade zinc the European Common Market contract would be a welcome tariffs and quotas on lead and the Communities in the Community.

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Committee elections in March and the Committee jointly to For some time after their in duced within the Community) and the new body taking office those who are already sub troduction to the market, the to name but two, in many senses on April 25 has always been scribers. Largely because of its lead and the zinc contracts fol- more pressing was the matter

there are records of some of the of applicants for membership, business has grown, and as Both markets have sine With the opportunity to prices overall have increased, so those days come into line wit these it is possible to pinpoint obtain new premises, the inevitably must these require the overall LME concept of a at least some of the more signifi- original company was absorbed ments be reviewed constantly in-warehouse contract promp

ant steps in its evolution. into a newly formed entity, to contain overtrading and pre- any market day up to thre-London itself emerged as a having an initial capital of clude as far as is feasible the months forward. Delivery 6 centre of international com- £10,000, which was to secure the likelihood of one member put- course must be at a locatio merce with the establishment of premises and continue to functing his fellows at undue risk. selected by the selicr, withou efficient financial tion as their proprietor. So in Whether this philosophy (for this protection sellers would apparatus. The merchant banks, 1882 the Metal Market and it really amounts to that) will find themselves forced to carr the classic Bill on London which Exchange Company brought the continue unchanged is outside stocks of metal in eac smoothed the path of merchant London Metal. Exchange to the scope of this article. What is approved warehouse against the and importer, and the growth of Wh'ttington Avenue, where it historically certain is that it has whim of any burger, and the the shipping and insurance mar- has remained from that day to survived from the earliest and added cost to the

tated there too, and the metal continuity were the unavoidable. Contract merchants were known to have closures during both world wars, met regularly under the roof of Dealings in tin were recom-Gresham's rebuilt Royal Ex-menced in November, 1949, and is that it is a forum where cient

How did it all work? This was the amalgamation of the require- market must allow for a buye kets. Along with Lloyd's and a merchants' market and those ments for each into a contract or a seller to be sure that th Garroways the Jerusalem in with "something to do" at first providing for a standard lot of actual physical grade of the Cowper Court saw the origins merely used the exchange as a material of as nearly as pos-material in issue is such as of two such markets—the Baltic convenient place for meeting sible standard quality to be satisfy the needs of an eve others who might also have bought and sold forward-de more fastidious industry. But to the metal merchants something to do, and for making livery also to be implicit on Unfortunately this a less public and more special. a bargain. The true open outcry standard terms.

breadth of allowable grades i ised rendezvous was becoming a market was still some way off. At the outset there were two far from an ideal delivery ma:

the Lombard too was made use prices for the metals traded was set early on at three by his supplier. In the mai and from 16.00 to 16.30) and Hope. This period still obtains, conflicting requirements - th the patter of concentrated offi- and it is amusing to note that broad spectrum within which t cial trading in the room after with all the refinements of tech-hedge and even to price (wita morning of dealer-to-dealer nology the voyage time to-day plenty of metal on warrant) an It was partly to meet this trading in preparation was is not all that different:

they took the decision to set up of one of the members who their own company. This would traded in copper and tin. These be at once their local authority metals were in many senses the and responsible for their own founders of the whole LME The London Metal dealing system, since they were Exchange Company was duly in the first to be traded in apprecicorporated in the latter part of able quantities, as well as being 1876. It had its headquarters in the best suited to some form of Lombard Court off Gracechurch standard contract. Here, it was Street, and it held its first meet-possible to trade in defined lots ing on December 19 in that year. of metal of a recognised quality below electro. The first meeting of the mer- at a given location; in short, to

the market for its members to With the introduction to Ring proved the more difficult to pin European seaboard.

be properly qualified for this dealings of new metals (first down as to quality, though both This spread only commenced) which would be responsible for handbell has been replaced by although of higher purity can in Bremen.

steadfast adherence to the con. lowed different paths from of foreign exchange restrictions The Committee now functions cept of a principals' contract

IT IS HARD to trace a precise as the Executive of the LME with each taking full financial those of copper and tin, in the record of what must have been with responsibility for its liability for his obligations they were based not on deliver the many and sometimes fairly discipline and operations as well made in the market, the LME in warehouse, but ex-ship. Fur hectic changes and surges in the as for the daily price quota- has perforce to insist on a very thermore, they did not origin development of the body we tions. The Board remains res- high degree of financial ally permit trading in dates now know and recognise as the ponsible for finance and general "muscle" on the part of its half-monthly delivery period London Metal Exchange. But policy in addition to the election Ring members. As volume of being decreed.

most tentative days of trading operation is easily seen.

LME contracts-aside fro: The ABC of a terminal market broad enough and with suf eventual delivery of the goods supplies. At the same time an is also possible. This entails within the same parameters th

the far more precise demand Copper and tin proved not too of to-day's technology.

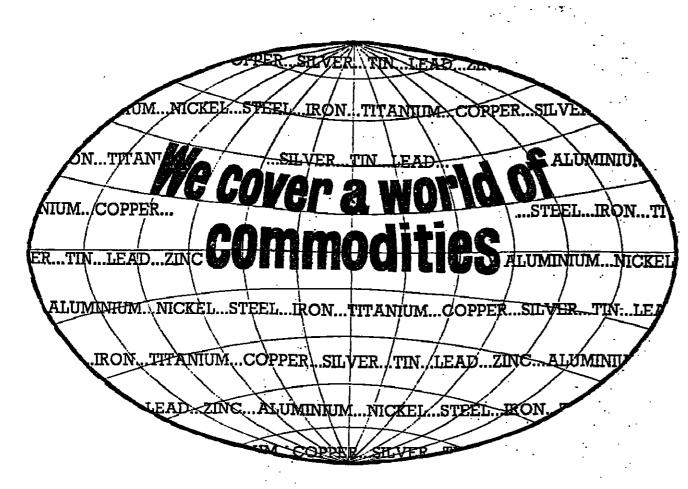
difficult to pin down as to Bridge Next came the happy thought the standard copper contract it has been precisely in survived with upward changes negotiating these difficult water in purity requirements right up that an LME Committee itsel to 1963. In that year three comprised of representatives o contracts were substituted, of all sides of the equation ha which two-electro wirebars and more than justified itself: Some cathodes are still used. The how this body has reached third for fire-refined copper, agreement among its constituen ceased to be traded in the Ring members and has produced or in 1968, though it continues to demand a bridge over the gar be priceable at a set discount between being too close to the game to see the broad picture The tin contract proved just and being so detached as not to

more than usually subject to It is said that this member political and other vicissitudes, approved delivery points within The gradual spread of the took a piece of chalk from his After crystallising as such in which are situated registered As happens from time to time pocket and drew a ring on the 1912, the standard contract re-warehouses (the LME, contrary even in the most staid organis- floor of the room. All took their mained largely unaltered—not to some popular belief, merely ations, there came a moment places around it. Now it was withstanding the disturbing approves and in no way owns when the body of the members possible for a true open out- effects of such outside influences or controls its registered warefound themselves at odds with cry market to be conducted with as stockpile policies, some made houses) has moved in parallel found themselves at odds with cry market to be conducted with as stockpite pointies, some made nouses) has moved in parametric Board of directors. The bids and offers called to the for economic and others for with the spread of the interests disagreement was in the main Ring, the whole proceeding strategic reasons. In 1974 the making use of the market. From over the way in which the being timed by an official with standard contract was joined by the early and formulative years. a high-grade contract for tin of London merchants taking had taken to itself responsibility. Since then, and apart from assaying not less than 99.85 per delivery in warehouse within for publishing and reporting the the introduction of the now cent, and to date the two are the U.K.—or of lead and zinc daily prices; it was not con-familiar circular benches, very traded concurrently in the same ex-ship in the Thames—theresidered that the Board was little has changed outwardly as Ring.

has developed a nexus of ware closely enough in touch with far as Ring trading is concerned. Of lead and zinc the latter houses mostly on the Northern

lead, then zinc and latterly have for some years been suc in recent years, and there is as In consequence of this and silver) and the splitting of the cessfully traded. Zinc in many yet no way of defining how far other matters in issue, the old standard copper contract in ways has problems of its own in beyond this immediate area if other matters in issue, the old standard copper contract in ways has proportion of the old standard this immediate area its members of the exchange met 1963, the trading times have that a reasonably generous may go. Rotterdam was the first in January 1881 and resolved been expanded. But the after purity requirement (98 per port to be taken into the LME) to set up a Committee of Sub- noon market continues to be cent zinc) has the odd side- deliveries system, early in the scribers which would be elected officially "unofficial" and if the effect of admitting as good LME 1960s, and this was was follower annually on a popular vote and secretary with his watch and deliveries various grades which, by Antwerp, Hamburg and

CONTINUED ON NEXT PAGE



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LONDON METAL EXCHANGE III

Inside the dealing room to-day

NDING THE London Metal. The ring is dominated by a ring and rushing back and forth matters affecting trading on the change is the first problem large flat copper bowl in the to the company phone box, with ring—a legacy of the time when someone who wants to see middle, which turns out to be direct lines to the office, in the Board refused to introduce someone who wants to see a mundane ashtray. Above, order to provide a commentary some reforms required by a internationally important behind the rostrum, where the on what is going on and take in majority of the member comment in operation. Most Lonsettlement prices are solemaly orders or international. For parise, There are also introduced to introduce the commentary some reforms required by a get in operation. Most Lon- settlement prices are solemnly orders or instructions. For panies. There are also the faxi drivers will look blank settlement prices are solemnly orders or instructions. For panies. There are also the shake their heads if asked read out every trading day at those unfortunate companies "kerb" trading sessions, dissnake their needs it asked the end of the second morning whose telephone boxes are far tinguished from the to the exchange; the same the session, are the away from their ring seat, dealing sessions. The descriptionse is also likely if told ring-trading session, are the away from their ring seat, dealing sessions. The description of the exchange address is in chemical symbols of the five because of restricted room, the tion "kerb" dates back to the exchange address is in chemical symbols of the five because of restricted room, the tion "kerb" dates back to the ittington Avenue. A request metals traded—copper; tin, lead, clerks often use "tic tac" time when the traders used to ittington Avenue. A request rungion Avenue. A request media classification of their colleagues on congregate outside the building Leadenhall Market should zinc and silver—lit up individually methods to their colleagues on congregate outside the building

dication that a few yards ing call. vay millions of pounds are Asitors are not encouraged, Sessions like the "soft" (non-metal)

atchful and taut with excite- bids. :pressions.

search for Whittington bafile the visitor on a first occa- this since the similarity with so-called a surface of market jargon exchanged inforce the image of a gambling remainsecialising in the luncheon between members. In fact the casino—a term which critics trader in the Exchange building

ea is dominated by a big circle be followed by, possibly, a exclusive male bastion has Trading etiquette on the four large curved pew-type quiet trading session in another quietly bowed to modern ring is very strict. No smoking benches, comprising metal where there is little in- pressures. tween them the 40 seats avail- terest or activity and traders. But past traditions remain. periods (although this is relaxed

block of numbers are merely have used frequently over the after 5 p.m.

forestalled recently by the of the second morning ring at introduction of the first female 1:30 p.m. This is because of the trading clerk to be working on practical impossibility of sorting Trading sessions are concen- Exchange has not thought it disputes after the end of the minodity markets which have trated into short bursts of five necessary to introduce extra afternoon session—the unit-in public galleries, and minutes for each of the metals, facilities for her comfort. There official close "—in time for courity reasons have made minutes for each of the metals, facilities for her comfort. There official close "—in time for ecurity reasons have made minded to the ringing of a bell has been no written rule members to get home at a ntry more difficult. Visitors to signified by the ringing of a bell has been no written rule members to get home at a hery more dimicult. Visitors to be at the end of the session, when actually banning women from reasonable hour. te exchange either have to be a further bids or offers can the Exchange; they just have exchange of warrants each uests of member companies no further bids or offers can the Exchange; they just have exchange of warrants each nd officials, or bear the con- be made. This means that a not been assigned there in what morning, as delivery dates fall nd omciais, or near the con-derable cost of being an asso-busy trading session in copper, is still very much a man's world due, already makes for a late derable cost of being an asso-busy trading session in copper, is still very much a man's world due, already makes for a late at member. Once inside it becomes climax of activity with traders Exchange's annual dinner can at 12.00 noon, meaning a late wious why traders on the Ex-frantically trying to conclude be counted on one hand from lunch prior to traders getting range are described as ring their business just before the the 2,000 or so guests present back for the opening of the aling members. The trading bell. It then abruptly ends to But it appears that another City New York metal markets.

the on the Exchange where the and helpers leave the ring to a Membership of the Exchange is during the "kerb" sessions): og dealing members sit either bored few swopping desultory jealously guarded by the Board, swearing is fined; and traders ent during busy periods or Behind the benches are the lords for the day-to-day running offers to buy or sell direct to bored clerks and helpers, noting down of the Exchange, and the any other member but "across during inactive details of the contracts agreed annually elected management the ring so that everyone has a

the trick, but finding the dually to show which metal is the telephones to keep them in to continue trading, much to the trick, but finding the mushy to show which metal is the telephones to keep them in to commue trading, much to change is still a major exer-actually being traded below. A touch with what is going on, the annoyance of passers-by and change is still a major exer-actually being traded below. A touch with what is going on, the annoyance of passers-by and change is still a major exer-actually being traded below. A touch with what is going on, the annoyance of passers-by and change is still a major exer-actually being traded below. A touch with what is going on, the annoyance of passers-by and change is still a major exer-actually being traded below. A touch with what is going on, the annoyance of passers-by and change is still a major exer-actually being traded below. A touch with what is going on, the annoyance of passers-by and the passers is the contract of the con meat and produce stores in lights up on occasions, may also been somewhat unhappy about back into the building for these request for wintingson parties the visited way bookmakers on a racecourse is which follow the ring-dealing request, which is distinguished sion who is seeking some way bookmakers on a racecourse is which follow the ring-dealing request, which is distinguished sion who is seeking some way bookmakers on a racecourse is which follow the ring-dealing inescapable and tends to re-periods. However one rule

ucher trade.

Diock of humbers are merely years to ruffle the feathers of the Exchange building is a list of the telephone box years to ruffle the feathers of the Exchange are the settlement the door, which gives little there is an unanswered incomplication.

Potential criticism about lack prices on which most supply allowed the exchange are the settlement and the exchange are the exchange ar the Ring, although so far the out contracts and possible

> which is responsible as land- are not supposed to direct their between the traders across the committee which decides on all fair chance to respond. The first acceptance is obliged to take at least one lot, but can then farm the rest out to anyone else interested. The LME encourages the principals, or at least senior executives of the member companies, to trade on the ring. Although this is no longer carried out by many com panies, whose senior executives prefer to stay back in the offices there are a considerable number of senior dealers still trading on markets soft" commodity where the traders tend to be much younger, roweier, and rely more on instructions from the office. Quick thinking, especially in calculating figures, is the main attribute of a good "floor" trader on any market, but on the Metal Exchange "ring" a loud, clear, voice and confident manner is just as important, since being distinguished above the uproar in a busy trading period can make all the difference in seizing the best market opportunities.



It seems at first a strange and peculiar way to spend the day, or a lifetime, earning a living, shouting across an empty circle at a group of men doing exactly It seems even the same. stranger that the prices of vital raw materials should be decided in this apparently, haphazard manner especially during bectic periods of activity that often break out when the noise of voices all shouting together seemingly makes it impossible for anyone to understand what is going on, let alone be committing many worth millions of pounds each day.

But the traders claim that the alternatives would not work as computers, for example, being unable to distinguish between important influential buying or selling from a particular quarter, as well as not having the personal touch in spotting trading oppor tunities. In any event trading on the London Metal Exchange is positively civilised even at the busiest of times when comwith the rough and tumble of other commodity markets, particularly the all-Chicago Board of kicks and fights in an effort to

"free" market trading and has thus survived and prosp despite its apparent out of date

John Edwards

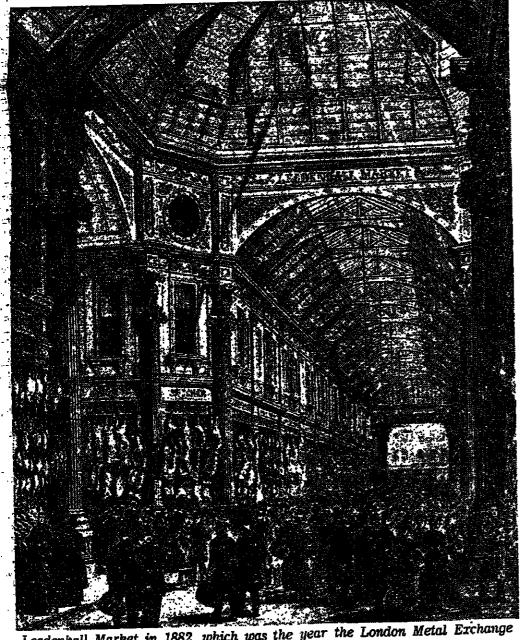


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Ring Dealing Members London Metal Exchange



Leadenhall Market in 1882, which was the year the London Metal Exchange

COWPET CONTINUED FROM PREVIOUS PAGE

aterspersed with more fre. stances.

It speaks well for the found- gerous state of mind if allowed ng fathers of the LME—taking to be carried too far, and in a

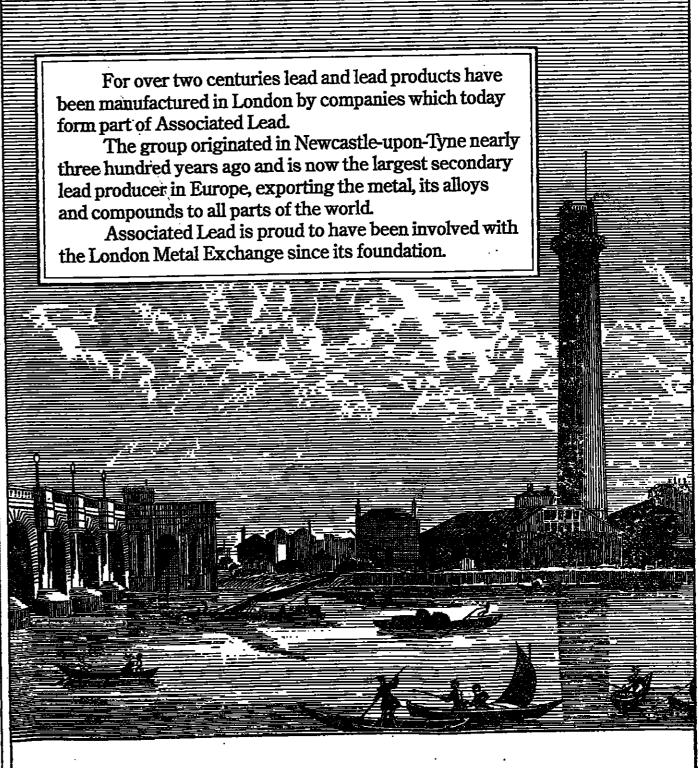
ork out the "Metals Scheme" survived for so long with so dered. ould well have beset members nology and economics the past kind (and there are not very nd their clients who might hundred years have after all many), continuing health is to LME ring is gradually diminishand probably would) have been eventful ones. They have a very great extent a question ing, with a large proportion of and propanty would) have been eventual ones. They have a very street to adapt and to the total business now being bought in London for sterling brought great changes and on of willingness to adapt and to the total business now being potal which was located in occasion vast disturbances of modify attitudes as well as pro- done in "before" and "after the arena of international comcedures: as requirements of hours inter-office trading by the scheme originated shortly merce. That the LME has international trade themselves telephone and telex between fier the reintroduction of the weathered all this with so little change. Any desire to bend metal traders. Nevertheless the scheme or the in market in 1949, and has apparent difficulty is probably these requirements and fit them ring dealing sessions publicly

uent informal and usually con- If there are any qualms tructive encounters. This is of about the coming decades they distorically successful and ourse a relationship of which would be in companion with this ourse a relationship of which would be in connexion with this he LME is both proud and very matter of rigidity. Introversion is a potentially dan-

ut here happily the Committee all in all—that both the basic world as specialised as that of Trade grain futures pits, where nd the Bank of England were philosophy and the detailed the commodity markets it is one tempers get frayed under the tot slow to get together and elements of the exchange have which is all too easily engenwhich has taken away many of little redesign or restressing. For the LME, as for all the gain attention are part of the he very real problems which In terms of trade, politics, tech-

in market in 1549, and has because by its nature it is a into an established protocol has express to anyone interested retween the Bank and the Combigly flexible organism and to be resisted firmly. No doubt, the prevailing prices of metals retween the Bank and the Combigliance of the c netween the Dank and the Com- capable of almost indefinite the future generation of LME decided by a consensus of the erly meetings at formal level adaptation to changing circum- management is even now having world's buyers and sellers meetthis instinct for adaptability ing at one central point. So far firmly implanted as they go it is the best method found of

> R. Gibson Jarvie existence. Executive Secretary. idon Metal Exchange



ASSOCIATED LEAD MANUFACTURERS LIMITED, &

Clements House, 14 Gresham Street, London, EC2V 7AT. Tel: 01-606 4400. Telex: 884141. Crescent House, Newcastle-upon-Tyne, NE99 1GE. Tel: 0632 36211. Telex: 53625. Lead Works Lane, Chester, CH1 3BS. Tel: 0244 21022. Telex: 61178. 24-30 Clement Street, Parade, Birmingham, B1 2SN. Tel: 021-236 1227/8.

Ring dealing members of the London Metal Exchange.

Unique among the fo world's markets

change is neither one thing nor hedging and use of the market system. another. It is not a proper is actively encouraged by reduc-commodity futures market ing the cost involved to a mini-since trading is confined to only mum. If a clearing house only agreed in principle to a since trading is confined to only mum. If a clearing house only agreed in principle to a popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with banks and the compromise formula, of a self-popular with the compromise formula, and the compromise formula with the compromise for the compromise formula with the compromis three months ahead for the system was introduced this monitoring scheme, whose decial institutions in recent years base metals and seven months would inevitably involve the tails are yet to be worked out while the over-sumply cityent. tracts between producers and business. consumers (fabricators). Yet the LME daily quotations are Margin the basis used for deciding the price of copper, tin and lead the North American continent systems, the course and and are an important influence include large trade hedging and are an important influence include large trade hedging and are an important influence include large trade hedging

world commodity markets. avoid unnecessary duplication arrive at the cost of the metal of metal and cash deliveries to be bought, but "paper" each company is individually present to be rolled forward esponsible for meeting commitments across the ring, using a common LME standard contact which has another unusual price committee months—an expensive for anyone wishing to make the big flow of speculative that bring not only consider funds that pour into all the able uncertainty for produces. feature — the deliberate exclu-Under the LME contract the silver markets both in London triggered off the oil crisis.

Physical

majeure clause is in keeping a principal, instead of pur-recently especially for copper. with the Exchange's unusually chases and sales through dif-strong links with actual physical ferent traders being matched trading of metals. Normally up.

Western world zinc produced in recent generally for copper. Western world zinc produced in recent generally for copper. Western world zinc produced in recent generally for copper. Western world zinc produced in recent generally for copper. Western world zinc produced in recent generally for copper. Western world zinc produced in recent generally for copper. commodity futures markets comprises mainly "paper" transis a residual market of last and against the introduction of three months price. resort, for both producers and a clearing house for the The warrants are then deconsumers; a place where sur. Exchange, with a central body livered against the sale in three plus supplies can be dumped in taking the financial risk, has months time. The locked-in protimes of plenty and where extra been long and at times bitter fit—the difference between the partly because there are to supplies are sought in times of between member companies, cash and three months—is the scarcity. The amount of metal with the Bank of England "interest" rate, less the costs slocks held in the LME making no secret of the fact involved in storing and insurappointed warehouses, scattered that it would like the greater ing the metal held in the warethroughout Britain and Western Europe, has a definite influence on market price trends since, although small in total world volume terms, the stocks do represent that final fraction that makes all the difference between a situation of shortage or

The links between the Exchange and the physical trade are even stronger. Unlike any other futures market, business within the three months ahead quoted can be specified for a particular trading day and there

greater protection against price price the supplies received on based. the day before delivery if the

turn the members themselves ber of mines and a relatively do not charge each other small number of consumers.

deposits on future business. But since the end of the 19th Deposits are required from non-centure both the mines of the Countries like Zambia.

from day to day that can be charging that the volatility of and a break in the chain which. While it is true that this ironed out by borrowing or its price movements makes it a linked an industry in a major search has so far had scale lending according to the day's questionable medium for the industrialised country like success, the fact that it is requirements.

Questionable medium for the industrialised country like success, the fact that it is requirements. This daily trading enables a simply that nothing better has was probably an economically producers are not prepared ? hedging transaction to be fixed been devised. It is a negative dependent country.

Jar more closely to the physical but effective argument, at least date of delivery, providing for the immediate future.

Jar more closely to the physical but effective argument, at least of delivery, providing for the immediate future.

Jar the developing countries throws up are insufficient with the governments are not throws up are insufficient. fluctuations, and also enables the pattern of international raw materials in faraway places ternal policies being worked fabricators to use a special trade and in the way Govern- and adapting the pattern of out domestically. The old free "back pricing" formula in ments and producers see that their production to the move enterprise system has been

corporated in the direct supply pattern which are inimical to ments of the market. They seek diluted producers the continuation of the LME in internal economic and social. On the face of it this looks whereby the fabricator has a its present form, that is to say benefits which make them less like a clash between govern wider choice of when to price as a harometer of supply and responsive to market forces ments and the market, but his supplies received apart demand providing a reference than the 19th century mine even the independent minute from the actual date of delivery, on which minerals contracts, owner might have been. On occasions he can decide to particularly for copper, may be

market has risen in the mean-In the face of these trends it ROLE time. This enables the fabrithat the LME has lasted as long cators in turn to be able to offer as it has. Its early evolution a firm price to his customers was in response to the encedant Service to the trade by the a free enterprise system work-LME members is taken even ing on a relatively narrow base, further in that the bulk of trade the play of market forces could the play of market forces could

clients do not have to put up be seen to be working, easing the problems of distribution transactions despite the finantial commitment involved. In the members themselves do not charge each other transactions despite the finantial commitment involved. In the members themselves are latively small number of consumers.

Indeed the role of mineral any case tend to diminish the exports in the economic develop-pricing role of the LMB.

Indeed the role of the development of a whole that the control of the development of a whole themselves the problems of distribution the social fabric of Zambia, this was countries outside the U.S. clearly an impossible solution. Canada and Australia, would in the composite themselves are all number of consumers.

Indeed the role of the development of a whole that the control of the composition in the economic and industrial base in producing the problems of distribution that the probl

THE LONDON METAL Ex- is claimed that in this way trade safety of a clearing house house

for silver. Nor is it particularly payment of a margin to the properly. The intention is to while the over-supply situated properly. The intention is to appropriate a confirmed affective and the con significant as a physical market clearing house which most mem-since the vast proportion of the ber companies, if not all, would warning of any potentially rate of interest that on one trade in the metals quoted— be forced to pass on to the trade copper, tim lead, zinc and silver client, thus effectively putting copper, tin, lead, zinc and silver client, thus effectively putting dangerous financial situation other competitive investment.

—is done by direct samply con- up, the cost of trade hadging building up so that evasive. The Exchange has also attention. opper, tin, lead, zinc and silver chent, thus electively patterns building up so that even in time.

-is done by direct supply con- up the cost of trade hedging action can be taken in time.

-is done by direct supply con- up the cost of trade hedging action can be taken in time.

-This may mean raising the called long-term investment from speculators discussions.

-This may mean raising the called long-term investment from speculators discussions. member companies to a much from speculators disillusion memoer companies to a much with the instability of "paper higher, common, level of say Although other futures the North American continent systems, like cocoa and coffee, provided by some new mem-£5m. which at present is only pers and not by older member prices must eventually rise? companies whose guarantees the world. This pre-eminent members claim that fabricators were set at a much lower level. Supply of natural resources the past 100 years on a strange would simply stop or greatly the past 100 years on a strange woul role has been built up during would simply stop or greatly it may also mean raising con-the past 100 years on a strange reduce their trade business if tributions to the existing com-much more difficult to find an formula that makes the London faced with the large sums within its resources, compensation for many larger and involved in putting up margins. tion for any losses suffered by this extra inflow of funds coppe On the other hand, Exchange For a start trading on the traders are effectively giving with each other but does not Exchange is on a principals' the trade users of the market with each other but does not contract — in other words three months credit and this compensate outside clients for every transaction concluded is basically prevents them from any losses incurred if a ring between the individual ring extending the trading contract member is unable to meet its dealing member companies, who facilities available to a longer commitments. But these re-each bear the financial respon-time ahead, say 13 months, here wish to the size that coneach bear the financial responting ahead, say 13 months, sibility for honouring the conwhich is often needed for tract terms. It does not go through a central clearing Business beyond three months through a central clearing Business beyond three months be with the success of the schonge in contrast to a short term, it could have he serious repercussions for fund the success of the serious repercussions for fund the success of the success of the serious repercussions for fund the success of the success of the serious repercussions for fund the success of the serious repercussions for fund the success of the su markets, although there is some member companies, who simply central sorting out of warrants add on the interest rate calculated on a monthly basis to york copper and silver market. There have been properly prospects.

Triumphed to the control of the copper and silver market. York copper and silver market There have been numeros (known as Comex) whose influ-attempts to find methods of among members. Nevertheless hedging transactions have at in few less of the world stabilising the price of hed is far less although it has a metals to a greater degree con

In recent years there is no countries relying on men feature — the deliberate exclusion of any force majeure clause which is normally included in any supply contract to allow for some unforeseen to allow for some u to allow for some unforeseen development, beyond the control of the supplier, to be given longer periods ahead offered by rency instability and concern as a reason for non-delivery, the bigger, better established, about raw material resources been imposed by the leader triggered off the oil crisis.

speculative activity is beneficial output. Nevertheless they The lack of a central clearing to trade interests, particularly to move in line with the Landhouse is restricting in that in supplying the extra funds quotations to remain con transactions have to be com- required to carry the big surplus petitive, especially when the The exclusion of a force pleted through one dealer, as stocks that have built up is a surplus situation.

the rate of contango (discount price to cover the bulk of zin In recent years there has of the cash price compared with trading outside the U.S. actions only, with purchases and been increasing concern that the forward three months quota- changes in exchange rates, and sales cancelling each other out the principals' contract may not tion) represents competitive a gross surplus of supplies, in before the date of delivery falls be sufficiently strong to with return compared with other in recently made this price so due, and only a very small personal any financial disaster terest rates, even if the transt hing of a farce and it is centage of the actual commodity a domino effect on the other complicated. It involves buying in nominal form. But on the Exchange the per- because of the huge sums the actual metal at the spot Tin values have been centage of physical transactions involved following the steep price, receiving in return the trolled to an extent by is very much greater, although rise in the price of metals negotiable warehouse warrants, International Tin Agreem still dwarfed by the "paper" and the greatly increased and selling an equivalent except above the "ceili intures business. The Exchange volume of business. Debate for amount forward at the higher level. But efforts to conti

line with increasing costs

lower than present levels while producers would also have been faced with a greatly is creased burden in carrying e tra stocks. While this may hav

greater volume of turnover pared with the daily flucts commitment to supply must be (operated by the bullion But it can be claimed that fabricators and therefore to honoured whatever the circum- brokers) and in New York and many aspects of this increased a significant share of their of

Western world zinc producer

copper and lead prices ha always failed, partly because

External pressures build up

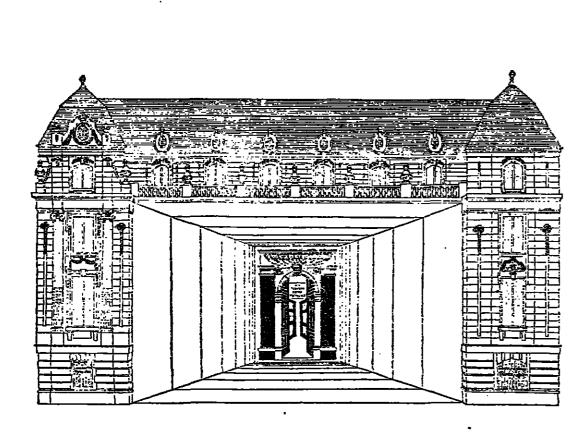
can be considerable differences. THE STANDARD retort offered organisation. The result has to seek a means of foiling to between the supply availability to those who criticise the LME, been a diffusion of ownership, market.

Yet there are trends both in solely concerned with providing meet the wider demands of in

Deposits are required from non-century both the mining industrade clients, or anyone who the try and the industries it feeds countries like Zambia, Zaire, cessing could take place in the Chile and Peru has led their country of origin. trade clients, or anyone who the try and the industries it feeds collective organisation, CIPEC, As the Canadian consultant member feels may represent a have become more extensive and financial risk, however small. It inevitably more complicated in

supply-demand situation for ago to an economic museum copper in 1974-75 and the effect said Mr. J. Vuillequez, the then this had on LME prices, it vice-chairman of the American would have been better for the group, Amax, in 1974. Zambian mines to stop produc- In the longer term, tion. Yet, given the role of the development of a wider

companies have reservation about the LME, at least when prices are low. volatile anachronistic method of pricing should bay Thus, on any reckoning of the been relegated many decades



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CONTINUED ON NEXT PAGE

The Financial Times Wednesday February 16 1977 LONDON METAL EXCHANGE V

Forecasting price movements

ECASTING METAL price s should, in theory, be derably easier than in the commodity markets, where edictable weather condican literally overnight

supply predictions by sing severe crop damage. In is production trends are well signposted with prior ledge of mine output capaplanned many years ahead regular reporting by the ng companies on how they performed and are likely rform in order to keep their sholders or supporting finil institutions in the pic-There are, of course, mine nters, and more commonly es, but these can be written an historical working capawith some degree of

racy, except for some major ntial production setbacks, he form of scrap, bearing in the torm of scrap, bearing in the torm. i available refining capacity.

owever, it is on the demand that metals forecasting Methods ars to go awry. Consumpof metals, although vital

Wirebars 3months

e years—as they do this volves forecasting on a much fuse me with the facts."

mer. But on the whole it is wider scale. Added in to complitoo difficult to assess total cate the whole issue are the furtion capacity in the Wesgenerally unpredictable shifts I world at least and make in demand from behind the iron wance based on previous and bamboo curtains, often ds for strikes and other motivated more by political reasons than real consumption numbers or exports by the needs, and the almost equally mounts bloc countries and impredictable release. me likely to be recovered wise of metals built up in the

materials, is more in independent companies like speculator is close to being on seed than, say, food com-Commodities Research Unit and equal terms with those "in the ities by the economic state Brook Hunt and Associates, have know" without having to spend the world and individual built up their own forecasting time and effort in trying to tries. Although it can be methods to help make decisions keep up on fundamental devellated that over a period about whether or not to go opments. This, of course, applies and for a particular metal ahead with proposed production equally to a large section of the joint resources of their data kely to grow by a certain expansion plans due to come trade, consumers in particular, banks on the economic outlook entage each year, based on into fruition many years ahead who do not have the facilities prical trends, the annual after the expenditure of vast or desire to keep too closely in with can vary widely even if sums of money, supplied by touch with what is going on in vin can vary widely even in determine too willing financial an area only concerning their cing to the predicted pattern often none too willing financial r a span of years. There are institutions. But these studies raw material costs. So importkinds of variables. Reaction cost money and are often none and has the influence of chartists be price of the metal in each too accurate for short-term become on the market price ne price of the market in cach too accurate 101 another become on the market price of miry, distorted nowadays by market trends which are usually movements that merchants and a programmed pattern, says.

The same of the market price of what the computer, working on a programmed pattern, says.

Selling or buving by "computer wind days language the London Metal Exphance 11 and 12 and 13 and 14 gical developments bringing the London Metal Exchange. It to ignore them and indeed most ats of substitution or a de is not much good, for example, of them watch the charts very ats or substatution of a de 15 abt told that; the price of closely for indications of when ourse, the general economic copper will by 10 per cent there is likely to be a break up ourse, the general economic copper will by 10 per cent there is likely to be a break up in the commodity markets the first of the world and indiviis countries, that controls and for the forecast to be interpretation of chart patterns and for end-products using metals and interest rates metals and interest rates months the prices dip sharply occurrence these days is for cermonths.

But past experience has metals and interest rates months the predicted tain points to be generally remuraging or discouraging before recovering as predicted tain points to be generally reshown that however confident nuraging or discouraging state lower could well have cognised by market traders as and sophisticated forecasting

tal demand forecasting has to take into account all the market with no rhyme nor reason—an based primarily on the likely factors, known or hidden, by apparently self-defeating exer-

news of fundamental supply- 10 go in or not despite price demand developments available indications. often before generally known

influences, because of activity The mining companies, and on the market, then the private erts argue that in fact there ittle basic change in metals decline period.

cognised by market traders as and sophisticated forecasting of chart significance and likely methods become, the metal to bring a burst of activity sumption, except in the case So in recent years metal mar- from the legion of chartist folnew technology, but only ket traders have been increas lowers. So much so that the totally unpredictable fashion

cise except for the market specialists able to take advantage of these movements or even trigger them off as a means of forcing the market in a particular direction.

.Charts for commodity futures markets are relatively uncomplicated encompassing a much wider range than the ones for individual stock exchange com-

Coverage

But over the years they have shown increasing sophistication not only in presentation but also in interpretation and coverage. Not only price trends are shown nowadays, but also the highs and lows of the day's trading: the volume of turn-over: the "open" position over: rbances such as when the economic state of the world and tracking price behaviour, hence (unmatched buyers or sellers); non-ferrous make workers the prospects for the industries the famous statement by a and the trend line. There are our contracts expire every using the metals, which in "pure" chartist: "Don't confurther sophistications too. Chart Analysis, for example, has an "indicator" showing whether Charts have a particular the market is either overbought attraction for private specu- or oversold which may be vitally lators, who lack the up-to-date important in deciding whether

> A recent innovation by Euroto the trade or certain privi- charts is its timing indicator leged sectors involved. The based on scale from one to ten producer, for instance, will be that gives buy and sell signals aware of setbacks in his mine of fluctuating strength dependthat will affect supplies avail- ing how far it is away from the median point of five. This is Assuming that the charts will an easy-to-follow forecasting faithfully reflect these hidden method backed up by the range on a daily, weekly or monthly basis. Eurocharts are one of the increasing band of commodity forecasters using computers to assess the many variables and they have recently linked up with Econintel, the economic forecasting group, to use the and commodity trends.

Computer forecasts are also being increasingly used for the " managed funds," so-called where the system is king and investment purely based on Selling or buying by "computer their disposal, is becoming an increasingly important influence

lar-have regularly moved in new recomology, but only ket tracers have been increased by the use of charts themselves influence the leaving the pundits with red lations in consumer stocks to ingry inducated by the use of charts chemiserves followers leaving the pundits with red faces and a band of unhappy of the faces and a band of unhappy of the face as it may, any trends. It is claimed that charts tent, causing price fluctuations followers.



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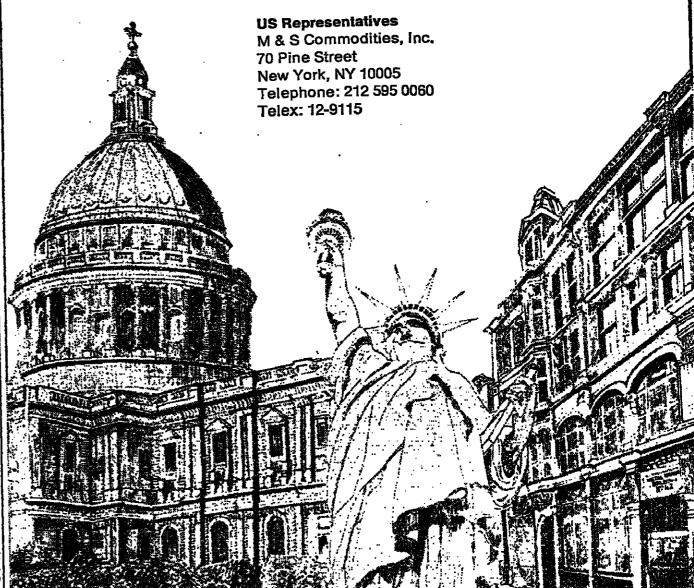
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TESSUTES CONTINUED FROM PREVIOUS PAGE

reby slimulating forward cracies and Comecon, the rich This sort of limitation has egration into the fabricating and the poor.

These considerations are vital because if prices are not to be not prevented international discount into the fabricating and the poor.

e inputs into the economy, fabricators, the Western demo- will always be limited."

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At the same time it is stock and the negotiation of a would be effective.

At the same time it is stock and the negotiation of a would be effective.

At the same time it is stock and the negotiation of a would be effective.

In the first place the existence chairman, Mr. Fred Wolff said, with a continue to criticate to seek participations manager has managed, at least indeed, some 40 per cent of the city of the puffer stock ran out copper produced comes from the volatility of its price movements, the LME Committee chairman, Mr. Fred Wolff said, with a continue to criticate the committee of the committee chairman, Mr. Fred Wolff said, with the committee of the committee chairman, Mr. Fred Wolff said, with the committee of the committee chairman, Mr. Fred Wolff said, with the committee of the committee chairman, Mr. Fred Wolff said, with the committee of the committee chairman, Mr. Fred Wolff said, with the committee of the committee chairman, Mr. Fred Wolff said, with the committee of the committee chairman, Mr. Fred Wolff said, with the committee of the committ

wer through coalescence of of the tin commodity agree- copper producers, embracing a using the very instrument that wer through coalescence or the till common that he receive to the left that the ITC has never put costs, have found it hard to They could make the Exchange concentrations of a different enough pressure on the LME agree on what any collective an even concentrations of a different energy pressure in such a price should be. In this con-machine." e attention of the vice-chair- way as to minimise the impact nection there was an attempt an of the LME Committee, Mr. on prices of "massive specu- in 1955-56 by the African pro-

the IMF-World Bank publica- voiced during a recent speech "While no action is taken the Selection Trust and Union Finance and Development, in New York was the polarisa- ability of the International Tin Minière, to "announce" prices long-term objective is that tion of the metals world into Council to stabilise prices at which they would sell. But minerals sector should pro- large groupings: producers and through the Metal Exchange they were forced to revert to

cess and backward integra. Users of the LME were cussions from evolving the into service and manu-coalescing into larger groups to notion, under the auspices of producers. It is true that turing industries."

not prevented international discussion in the detriment of the LME were cussions from evolving the established by the market, they can only be established by the market can only be established by the market, they can only be established by the market can only be established by the m merchants and brokers. The ment for copper. The discussions can arrange bulkindependents give a bit of very sions have come unstuck, how negotiations can arrange bulk-Jeanwhile the tightening re- which might otherwise either needed, where to find that in World War II, but even then onship between producers as all one wish and the state of the producers as all one wish and the state of the producers as all one wish and the state of the producers as all one wish and the state of the producers as all one wish and the state of the producers as all one wish and the state of the producers as all one wish and the state of the producers as all one wish and the state of the producers are all one wish and the producers are all one wish and the producers are all one wish an onship between producers go all one way, or die of sheer finance and the necessary col consumers is likely to have paralysis if producers and operation of the consumers.

What seems likely to happen
ling whether the LME will other approach. The following whether the LME will other approach. ing whether the LME will other evenly," Mr. Foster said, of the tin buffer stock has been over the coming years is that

the market mechanism to are building up strongly 'o The cost of developing new mutual benefit. At this stage influence the pricing function ness atmosphere, currency ness has escalated to such an the LME is affected only by the of the LME. The pressures changes and so on, there seems tent that producers have been International Tin Agreement, have never been sufficiently cored to seek forms of finance but international moves are ordinated to endanger the ; outside the funds for invest- afoot through the United existence of the LME. While it toutside the funds for invest- afoot unrough the confidence of a that it is neutral, because it is not they can generate them. Nations Conference on Trade is true that the existence of a that it is neutral, because it is ves. One response to this and Development to make European producer price for uation has been to sign long- copper market movements more zine has reduced the role of itomers, who also might take The existence of the Internothing to suggest that taking it had been under source attachment to the worthing to suggest that taking it had been under source attachment. equity stake in the venture, national Tin Council's buffer a similar move for copper

either through equity until the buffer stock ran out copper produced comes from thes or royalty and tax pay- recently, to act as a steadying scrap-makes it difficult to "A manual in new mining ventures influence or a law the sales of the sal thes or royalty and tax pay recently, to act as a sleadying octan makes in discount of the machine such as the LME into in new mining ventures, influence on prices. But the calculate a producer price is only as effective as the use is trend, added to the con- activities of the buffer stock divorced from the market, at is trend, added to the con- activities of the buffer stock divorced from the market, at made of it. Some of those in mer's link with the producer, manager have not been decisive, least under present conditions the trade stand aside virtuously mer's link with the producer, manager have not been decision. In the second place the wringing their hands instead of rates a concentration of in his book on the working. In the second place the wringing their hands instead of

drew J. Freyman, once wrote I. E. J. Foster. His concern, lative dealings." He argues: ducers, the then Rhodesian

asin central to the activity of while it is doubtful that internal.

The distinction be producers and consumers could be the two has become proremains linked, even in marginal quantities, to the physical distribution of metal and its prices reflect the general busino reason why its present pricing role should not continue. The LME's great strength is both independent and interthat particular market, there is national. Speaking in its defence

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Paul Cheeseright

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hey have fed off each other. continue to play that accrue in the world. LME makes a considerable but invisible earnings.

In return the LME members solutions.

In return the LME me

In 1975 the Merchanting total was £124m., and the Committee's chairman Sir Francis Sandilands said last December that 1976 earnings should be present the Committee and the Bank of England are conducting a survey which will lead to a greater precision in the statistics and specify more exactly the contribution of the

The LME is, of course, part of the Federation of Commodity Associations and it is through Associations and it is through
the Federation that it is represented on the City's liaison that remains to be seen is when tion.

This is, of necessity vague

ALTHOUGH THERE have been mittee. But its most important which led to the collapse of the be dangerous positions were because of the difficulty considerable changes in the single relationship in the City Paris sugar marekt. international pattern of trade is its working link with the The main sanction the Bank an LME member might be hold-behind

been established in places as far perspective this link is recent. exemptions from exchange con-requirements of clients. distant as Penang and New Before the Second World War trol regulations. This is, indeed. The important point for the year.
York, the LME has still the Bank showed little interest, the Bank's only statutory right self-regulation of the LME, howmanaged to forge a distinct It was only in the post-war years over the LME, but it is a right ever, and an instance of the Committee told its members identity and to occupy a pivotal as normal trading gradually which goes to the root of metals delicate relationship between that they should not accept us place in world metals trading resumed that the link was trading.

the LME and the Bank, was that trade business in zinc un One of the main reasons for this made, essentially in the early has been its place within the stages because of the immediate demands of national economic

grew together. Trading facili- The essence of the relation control restrictions allows the

Freedom

the City of London are of vital importance," wrote Professor dependence, feeling that it needs freedom to reflect the has drawn business to the City financial markets and the LME an international pricing has provided an outlet for certain types of City investment. The LME is jealous of its in dependence, feeling that it needs freedom to reflect the financial markets and the LME an international pricing has provided an outlet for certain types of City investment. The Bank for its part, return to the professor dependence, feeling that it market reopened and when the Contacts are extensive.

The concessions were first LME each Tuesday and informal that this might not be simply contacts are extensive.

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The concessions were first LME each Tuesday and informal that this might not be subject to be proving out with the concessions were first LME each Tuesday and informal that this might not be subject to be proving out w

building up; when, for example, disentangling has over the members of the ing stocks abroad which were Nevertheless the system a century, and other markets have Considered over a long LME is its power to withdraw clearly in excess of the normal built up gradually in 1975 and

> the LME Committee provided further notice. The returns the the Bank with the names of the Bank had been receiving companies to whom the ex-March and April indicated the

ties and the financial markets ship is the principle of self-are interdependent. The finan- regulation, and in this respect cial resources available to the the Bank is simply following, terminal markets are obviously and the LME is accepting, the of considerable importance to code that governs official super-their success, and it is in this vision of the City financial and respect that their linkages with trading markets.

control restrictions allows the These arrangements were right to draw time success to buy metals any-members to buy metals any-mem These arrangements were right to draw this to the atte the City of London are of vital The Life is jealous of its in- garding the sale of the metals. fact, a Bank official visits the lative activity on the market

They have fed off each other. continue to play this role, minddom to move currencies around taken. It is generally left to the markets. LME Committee to find its own

the Committee of invisible Ex- viability should be above ques- as much as they affected Limit careful about the un contracts. City being staged by the wise ports under the general title of tion. There won'd be an angry dealings. These retrospective into which they were entering Committee. In the meanting Merchanting, which in 1974 pro- official frown if there should be, checks by the Bank nevertheless because of the practice of using the Bank is doing its best to vided 15 per cent, of the City's for example, a repetition in gave the authorities the opportunities the opportunities to provide the Limit of internal changes.

London of the sort of dealings tunity to see when what might buy tin in London and number of internal changes. Singapore and re-sell it in New

York to register currency gains, financial standing which Since 1973-74, when the surge members have to provide an in commodity prices generally the existence of a fund to me excited a deal of unfavourable any market failures, the Ban the speculative activities, there contracts between principals s some evidence that the Bank inadequate. It would prefer

the Memorandum of Understanding was widened so that promise proposal of a monling the Bank could receive a ing system to survey the build monthly assessment of the

The freedom from exchange should be made.

Change control concessions large speculative positions we being built up. It exercised in the control restrictions allows the control restrictions allows the control restrictions allows the control restrictions.

It now seems likely that an

narkets, and especially some of ing trading system based (85%) has been anxious to extend its supervisory role.

In response to the price boom modity traders, but is prepare modity traders, but is prepare modity traders. to accept the essentially co ing system to survey the built ing and unwinding of dealer

Mining costs

the Federation that it is represented on the City's liaison body, the Capital Markets Combined way and how far it will go. The mining industry. The expectation of a copper price of, say remain unconcepts per lb. is now the

also have a fearful social impact some 5.7 per cent copper. on a world in which metal is Rising capital needs are such almost as vital as food to the that the Rio Tinto-Zinc group's

new mining development going needed for financing a major

unduly depleted. Just as vast years' duration. areas have yet to be turned over to food production, so the Worries mineral exploration teams have

most of the more obvious min-ing "plums" of rich ore deposits in the more accessible parts of the world. parts of the world. Nowadays the mining men is the trend for prospectors need to probe more governments throughout the properties into the counter world to ignore the fact that a and more into the remoter areas high risk industry requires and this costs a great deal of proportionately high reward. money, especially when it is proportionately high reward.

try is having to accept low- ance houses, such as the giant grade ore deposits which must Anglo American Corporation, be worked on a big scale if which provided the initial risk they are to be payable. Costly capital and subsequently sold off problems, the mining industry dicated viability stage. has also to overcome objections. As the cost of new mines

to be faced is that of fluctuating houses as in the case of the burden as well as a bonus for tralia's vast iron ore fields international companies. especially when they have large loan tracts were entered into with commitments. Then there is the customers and, inevitably, intergrowing tendency among national bankers were invited to governments to milk mine earn play their part ings in good years and quietly overlook the producers' problem n the lean times.

Australia's copper-producing man of Charter Consolidated. MIM Holdings, for example, "there are relatively few areas recently pointed out that the of the world where [mining] cost of moving copper from its investment confidence is felt." Queensland mine by rail over Governments break the rules. some 500 miles to the Towns- Too often it is a case of "you tille refinery had risen to the find, we grab." point where it was more than Nationalisation without adethe cost of shipping the metal quate compensation: reneging from Townsville to Europe. The on agreements: allowing the Queensland mineral royalty, mining men and their backers however, allows no compensate to take the initial risks and then

could, if they remain un- 80 cents per lb., is now the checked, lead to a kind of least needed to justify the start alchemist's nightmare in soaring of development of a big low. base-metal prices by the end of grade copper mine. In fact, the he century. suspended Tenke-Fungurume Restricted metal supplies venture in Zaire would want to available only to the highest see a higher price than this bidder would not only wreak despite the fact that the deposit havoc with world economies but is of high grade ore containing

survival of large populations. Bougainville copper-gold mine We must move quickly towards in Papua, New Guinea, which the development of the new era reached production in 1972 at a of mines which will supplement cost of \$430m., would require and eventually replace those some \$1.2bn. if it were launched to-day. And it must be remem-But there is virtually no major bered that the huge sums new operation-often depen-This is not for the want of new deposits and, indeed, there are no fears that the earth's the long lead time to productinite store of minerals is being time which can be eight to ten

barely started to unlock the The mining industry is preworld's hidden mineral wealth, pared to live with these difficul-They have, however, found ties, and indeed it reckons that

remembered that only one out of some 200 exploration prospects is likely to result in a viable mining proposition.

Before mine development costs had soared to their present proportions, mine financing was achieved by means of a promoting company issuing Before mine development riable mining proposition. promoting company issuing Furthermore, the nature of shares. Then came the South things is that the mining indus- African system of mining fininfrastructure also needs to be a proportion of shares in a new set up in the new mining areas project via a public issue once and on top of all the traditional the venture had reached the in-

of the environmental lobby. grew larger financing them re-Another relatively new hazard quired consortia of mining exchange rates, which can be a opening up of Western Aus-

> Then the politicians moved into the act, ushering in the present era when, in the words of Mr. Sidney Spiro, ex-chair-

CONTINUED ON NEXT PAGE

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positions.

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LONDON METAL EXCHANGE VII

The ins and outs of option trading

ears has brought with it breeding deceit.

always been the main The buyer of an option is way. tool has received a further make.

ed the companies had used market price).

lining

nding a higher share of

rewards; these are the

sighted actions which

led to the present slowing

ning companies, far less

bankers, are just not going

ovide to-day's kind of big y without some guarantee ecurity for it and a fair

rn. The point was firmly rimed by the recent half ment

n plus Tenke-Fungurume Er project, largely because aising of further funds had precluded by political idea of the money needed

w mine development.

TNUED FROM

ICUS PAGE

GROWTH of interest in If this is true it is clearly a case (ignoring commissions and his holding will be eliminated able for another four months

er to the wider use of effectively paying for the odity options. But recently chance to profit from an invest- Caution eputation of this useful, ment which (if his market view

nies, who had been sell- right to buy at £800 a tonne at quent rise.

tool has received a further make.

**acceptable loss level should be of "jobbing" against the sk from allegations of Say a speculator takes the set and a "stop-loss order" option. This ploy can give the blinked commodify fraudy that speculator takes the set and a "stop-loss order" option. linked commodity frauds view that copper wirebars are given to the broker at this level, speculator two (or more) bites U.S.

U.S. Speculator two (or more) bites of the cherry by allowing him I mouth a long U.S. Com- He could buy copper for deli- is the possibility that a short- to trade against his option with- the commodity markets the y Futures Trading Com- very in six months time, or he term price decline could knock out actually declaring it. in (CFTC) inquiry into could buy a six months "call" the speculator out of the If the previously mentioned its own vocabulary of technical allegations culminated in option (at a premium of about market, preventing him from speculator buys a six month call jargon. Several of these have arging of three American £80 a tonne) giving him the benefiting from any subse-option in copper at £800 and already been mentioned, such

, with fraud. The CFTC months (whatever the ruling purchase is to be equated with ing that he foresees no further modity in question at an agreed ressure sales tactics and If the price rises to £850 a the buyer will have to impose forward at £1,000 a tonne. period; "striking price," the I customers about the tonne during the period the a selling order at £720 a tonne There is no need to declare his agreed price, usually the ruling and potential profits of in- first course will reap the specu- in the present example. If the option yet as the £800 a tonne price for the relevant delivery

tal markets over the past of the awareness of ignorance other costs), but the second and he will simply be £80 a He is now in the happy position course would leave him with a tonne poorer (and probably not of having a guaranteed £120 a ater awareness of the So there appear to be two loss of £30 a tonne. If the price very much wiser). But the tonne gross profit. But if his y of operational strate-distinct schools of thought rises to £1,000 a tonne the option holder, though facing the second view of the market also pen to the trader. And, among those ignorant of the straight purchase will bring a prospect of the same £80 a proves correct and the price of the new operators true nature of the option gross profit of £200 a tonne and tonne loss, will still be in the declines substantially further speculators rather than market. Some regard it as a the option purchase one of £120 market. He can sit back and profit-making opportunities can cers or users of metal, the dangerous aberration and would a tonne. If the price falls both hope that the price climbs arise. Once the price has tions of metal options not touch it with a barge-pole, strategies will obviously show a back above £800 a tonne (re-fallen below £800 he can sell secome much more widely while others are open to per-loss, but whereas the option during his loss, if not actually copper against his forward

granter of his option. A further attraction

epulation of this useful, ment which (if his market view sasically innocent, invest- proves wrong) he need never Caution demands that an option trading is the possibility make a profit on the original

within two months the price has as: "call option" which allows commodity any time during the next six. If the risk from the straight risen to £1,000 he will (assum- the holder to buy the comthat from the option transaction rise) sell copper four months price during the prescribed

riated.

still the mere mention of of printing money. In fact both option to run out undeclared "last declaration date" on his gross profit of £120 after s to many otherwise know- propositions are more or less and show an £80 a tonne loss option passes.

writing off the cost of the tible operators will bring the reverse of the truth as the straight buyer could in In order to benefit from this, option. But the option is still sneer.

still sneer.

bably the lesst "dangerous" lose the whole £800. For this agreed to put himself at a price the bodder with faill straight still sneer. In order to benefit from this, option. But the option is still gnorance is the mother of method of commodity specula- reason few speculators would to can also be second-cousin tion, measurably reduce (but have the temerity to make an seit. Fear of the unknown do not limit) profit potential.

always been the main. The buyer of an option is way. price rises by more than the There is no reason why this premium level he paid to the pattern should not be repeated several times during the life of the option, but most specu lators would be quite happy to

deal and would regard further

' jobbing " profits as unexpected

Being a distinct section of option market naturally carries ent in commodity options, lator a profit of £50 a tonne market falls below this level buying price will still be avail- position at the time the option was granted: "grantor," writer or seller of the option who undertakes to supply or accept the commodity in question at the striking price within the agreed period; and last declaration date," the last date on which the holder of the option can call on the grantor to execute the terms of the transaction. In addition "put" option allows the holder to sell to the grantor at the striking price within the specified period; and double option" allows the holder to buy or sell (but not

Richard Mooney



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Our foundation was precious not base

N 1817, when Percival Norton Johnson founded the Johnson Matthey Group, he aimed to build a firm that specialised in the assaying, refining and fabrication of gold, silver and the platinum group metals. Achieving his objective left less time for base metals and our Group's involvement in such metals remained secondary to its mainstream interests.

While market dealing in gold, silver and platinum was developed, and is now a primary and world-wide activity of our bullion-banking parent, Johnson Matthey Bankers Limited, certainly our Group did not decide to join the London Metal Exchange when it was formed in 1877.

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An aerial view of the open copper mine at Panguna, Bougainville Island, Papua New Guinea.

uvide the metal of the : has come from the recent ssion of 14 leading minnd metal concerns to the

of Zaire's

ean Economic Commis-mining stalemate is that those they often have potentially large work for an operating deal They estimate that over who stand to suffer most as a resources of it which are re-whereby any host government xi 20 years an investment result are the less developed maining untapped.

These countries need reasonably ket and the developing countries, that the EEC could make availirony of the present new priced metal in the world and This could provide the frame able financial contributions to

stepping out of line in regard 58bn. (£34bn.) will be countries whose admittedly un- What is the solution to the to a mining venture could be d to maintain European derstandable nationalistic ambi-problem? The EEC submission submitted to pressure from the mption alone of alumi- tions could amount to cutting suggested a co-operation agree- EEC, an important market for copper, nickel, lead, zinc off the nose to spite the face, ment between the Common Mar-minerals. It was also suggested

> mining projects or provide guarantees for them Another possibility mooted was the setting up of an insur-

ance scheme with the use of contributions from the mine financiers in proportion to the size of their investments. Such a scheme is operated by the U.S. Overseas Private Investment Corporation. However, its weakness is that

insurance benefits can only be claimed if the situation deteriorates to the point that backers of a mining venture have to surrender their investcompensation; there is no indemnity against limited erosion of benefits under an operating agreement.

Last year the then U.S. Secretary of State, Dr. Henry Kissinger, proposed to the UNCTAD meeting in Nairobi that the U.S. should establish an International Resources Bank which would participate with foreign investors and host governments in natural resource development agreements. It could be associated with the World Bank, mobilise capital for sound ventures and help to insure supplies of raw materials while aiming to moderate commodity price fluctuations.

As the Committee of the British-North American Research Association has put it in a recent report, "Some agreed" basis, accepted by both producers and consumers, for attracting capital, ensuring markets and apportioning benefits. must be found if producer countries are to reap the benefits of effective development of their mineral resources

for the years ahead." It may be added that the required new dea) for the mining industry, backed by some form of international muscle, cannot he delayed much longer. If it is, the world will face a very painful hiatus during the years when metal demand has outstripped existing output capacity and the new supermines are still work-ing through their long lead times to production.

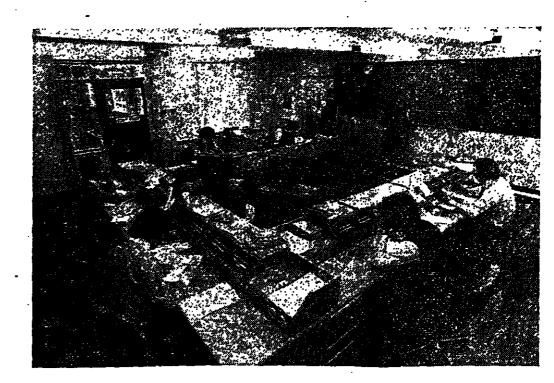
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Commodity trusts grow in number

COMMODITY trusts have mushroomed in the past two years. In June, 1975, there was only one small fund. Now there are more than ten, worth together size Fund and sponsor

The investors in the trusts do not come from the world commodities. They are refugeès from disasters property, the stock market and £13.0m. Save and Prosper the national currency. refugees they have made a £109m. Wardgate, Various cautious start in their new country and have bought with them many of the attitudes establishment in commodities,

physical metal, putting the war- £58.1m. Totals rant in the bank and forgetting about it; not granting options against it or selling forward but just letting the metal lie.

After the frightening experience in the stock in 1974 they expecting anything too speculative.

The three biggest funds all fall into this category, although there are important differences among them. Warburg's Metals currently valued at £23m., is by far the most subcommit only one or two per cent. of their funds into this novel investment medium,

5 per cent, of its portfolio in usual fare. this way. The major disadvantage, as far as they are concerned, is the lack of regular income which they are used to

TOP TEN COMMODITY TRUSTS Mid February

pper Est. silver
(tons) stocks (eunces 33% Brandels £23m. Metals Trust, S. G. Warburg 13,000 2,250,000 Goldschmidt 30/1/76 Merrill Lynch £13.9m. Old Court Commodity. Rothschild' 31/12/75 400,000 R. Wolff and 4,000 47% Gill and Duffus 8/12/76 Commodity Analysis G. W. Joynson 17/12/75 1,575 £1.3m. Surinvest Copper Trust which prevailed in the old. \$1.0m. The Silver Trust, Surinvest G. W. Joynson 6/5/76 Meanwhile, their hosts, the 50.9m. Commodities and Options Commodity 22/12/75 regard them with curresity, bemused by their alien 50.6m. Atlantic Raw Materials and Commodity 4/4/75 Analysis Foremost among these cus-M. L. Doxford 20/1/72 toms is that of buying the £0.2m. First Viking Double Option M. L. Doxford 26/11/76 19.504 618,000 26,970,000 LNE stocks Commodity trust stocks/LME stocks

(TOM are scared of speculation and shares and property invest-first is a curlosity-a fund nate and all of them are showhave little faith in any manager ments. It is also the reason which exists solely in order to ing a profit. The "dealing" to do better than the market, why insurance companies have grant double options. Its funds have done better than the Consequently they have bought taken less interest than pension creators studied the history of more passive ones and Save units in trusts which are con- funds or investment trusts. The various commodities and and Prosper, which has done trolled by prestigious City actuaries rely on a flow of decided that systematic invest- best among the conservative houses which promise not to do income to pay for liabilities as ment in long-term options would trusts, is possibly the most they fall due.

Convenient

created for the benefit of the performs. institutions. Two of them, First of them has invested more than Futures and options are the best performer of all.

the two Surinvest funds which will adopt a much more active provide a convincing testimonial adequate buffer or none a invest purely in stocks of investment policy than the to's broker's ability, thus help-copper and silver respectively, existing institutional funds. The ing him to attract more clients. They enable the small investor, sponsors are investment trusts. who cannot afford to buy a which presumably feel less nersingle lot, to obtain an indirect yous when insurance companies stake in the metal of his choice, and pension funds about wheel-Some larger investors also go ing and dealing. through the funds in order to As a whole, the commodity

Recently, two more funds launches (mostly at the end of

gilt-edged, have come to the market. The 1975 and early 1976) was fortuhave been successful in the active of them.

marily as a convenient vehicle acceptance of commodity mar- of commodity trusts. However, companies and the occasional rarely held and the positions are This is one of the "dealer"

start. The timing of the

past. The trouble with a system And while the funds have that circumstances can been doing well out of the change and make it ineffective, commodity exchanges, the com-Nevertheless, it will be fasci- modity exchanges have probably But not all the funds were nating to see how the fund also been doing well out of the funds. A diverse collection of

The second, Wardgate Com- brokers appears in the accomstantial. It is open only to pen-sion funds, which normally Options, have been used pri-because it represents greater doubtless appreciate the advent for investment by smaller ket methods by investors with the brokers to the big funds clients of broking firms. These a stock market background. The probably wish that deals were

investment on the mar themselves has so far been m Producers. consu cash and carriers and speci tors still hold the stage. Bo is worth remembering commodity trusts have been going for one and a years. If they can rise b value of £58m. in such a sh time, is it not possible that say, ten years' time they 🖙

be a significant force? The turnover of the trusts also minimal but that is \$1 sult of the predominantly sive investment attitudes. buying, when it does come, is quality." That is togoad it is generally not on mi the stock will usually for several months In terms of stock, per cent. of the copper in LME. This is accurate reflection of the rent small significance of

trusts in the market general But among the less wid traded metals, the trusts able to have some influence. the case of silver, the tru hold a full 13 per cent of LME stocks.

Over the past few mon most funds have suffered a disinvestment. The justitute have preferred to put we money into the gilt marketas the strength of sterling he eliminated one of the printip reasons for commodity inter ment. Nevertheless, institution investment in commodites likely to continue its ipwar aid to portfolio diversification. Meanwhile, the LME a

invested in the trust, including to which commodity brokers are

Analysis, which already runs the to the dealing funds wish that come the development companies and the occasional rarely held and the positions are

This is an after adaptional, the probably wish that does were other exchanges should be development.

The funds were bigger. come the development. If does continue, the new mon nationalised industry. But none changed on a daily basis, type of funds and has been the ciate the prestige and publicity to the markets and could be that can be derived from advis- provide a buffer stock in & The Wardgate fund is geared ing a commodity trust. Certainly metals where. councils At the opposite extreme are for institutions but, like C & O, 2 high performing fund can governments provide an

James Bartholom

Non-ferrous metals and minerals **Minor metals Precious metals: Ores and Concentrates**



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To seek a quick fortune when It is quite libely resources are slender, to use that the minimum linancial prothe LME as an investment vision will run into severa medium to prepare for retire-thousands of pounds. One con ment, to consider it as a haven tract of lead covering one lot. for a life-time's savings, is to with the cash price at £350 a court disaster. Rewards there tonne, entails a liability of are but not for the unimitated £8,750 and the immediate pro-

particular mysteries about the per cent. of the total. basic forms of LME trading, but the commodity markets options riskier than the Stock Exchange. And there are important distinctions between the two.

trader will not have regular is accepted. dividends. Rather does he take If. for example, an investor operators work on deposits with funds of, say, £20,000. initially, thus ensuring a much When the sum available higher gearing.

ences too on the time scales which are operated by the brok involved. The Stock Exchange ers themselves, giving an investor may buy a share and account to the client when a hold on to it for as long as he transaction is made on his bedesires, but on the LME con-half. In this case it is likely tracts last for a maximum of that the initial stake will be three months (with the except he total liability of the investor. tion of silver, where seven At sums of £10,000 and above months is the case) so that they investors should be able to find must be balanced out with an brokers who will accept acopposite position before that counts, which would be run by time, unless delivery or owner- liaison between the brokers and ship of the physical material is the investor himself.

THE LME is a place to be required. avoided by the investor who Generally, the scale of operaseeks solare through the steady tions on the LME wall be finanflow of interest payments from cially larger than on the Stock National Savings Certificates. Exchange, It is not possible to Investment on the LME is all buy £50 worth of copper, for exabout capital gains, but to ample, whereas it is possible achieve those gains it is to make small thate invest-necessary to have steady nerves ments. There are minimum lotin the face of volatile prices, a for trading of 25 tennes for

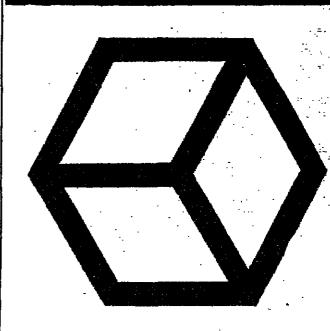
It is quite likely in this case and not for the faint-hearted. vision of a deposit which is Certainly there are no likely to be in the region of 10

Immediate outgoings may be less if an investor is dealing in Shareholders tend to benefit options (which are covered in a if market prices move up and separate article) and it is still lose if they go down. Money possible to invest in LME metals may be made on the LME with a small outgoing, if loseither way. But the metals of control over the investment

a view of which way prices will approached a broker and said move and goes long or short that he had £500 to invest he accordingly. On the Stock would be directed, in all proba-Exchange investors have to pay bility, to an off-shore trust run the full price for the shares from the Isle of Man or Jersey they buy within a specific If he had \$1,000 a broker might account period. On the LME put his money into a syndicate

reaches £5,000 some brokers There are important differ will start individual accounts.

CONTINUED ON NEXT PAGE



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LONDON METAL EXCHANGE IX

Little space for the minor metals

change price movements found impossible to work out more closely and clearly.

Cutting out uneconomic productments in the free market adding to catch the headlines, viable common quality standards. But in the case of wolfram tion or stockpiling surpluses at which has proved very volatile in the past. While the hid for not is also an important tungsten ore and mercury.

Producer price, in view of the Attempts to form a tungsten a consumer-producer stablisate ernational centre for trad.

These latter two metals do diversification of supply sources price agreement between pro- tion arrangement does not that are reflected in the free ducers and consumers under appear likely to be successful market fluctuations.

The auspices of the U.N. Conthere have been more successful the past mercury productive on Trade and Develop meetings of the Tungston Pro-

mmodity trading.

ig or smelting of the base the supply-demand situation. ietals, copper, lead and zinc.

ollar quotations for inter shows changes in the under cers have been forced instead ducers, including developing to pay higher prices at a time ational trading, with wolfram witching over only in Decem-er following the Bank of ingland's clampdown on ster-

Nevertheless the Minor Metal Nevertheless the Minor Metal raders Association was able to ain some valuable concessions Investor rom the Bank of England to nable traders to continue oper-

ninor metals to provide hedg. Exchange.

ng facilities for consumers: A list of brokers who are broker will seek from his client, hand some houses dealing igning the sometimes violent members and associate members will demand bank specifically with the private increasion. In the past there have easily from the LME and the financial strength before open one per cent, on the round-need moves to open LME may recognize the company on this long an account with a new lurn. ninor metals to provide hedg. Exchange.

pect of aluminium producers run by the broker.

present a valuable slice of decided purely on deals between

aded by London merchants, ducers is used in direct supply any of whom are also contracts with consumers and embers of the Metal Exchange usually covers the bulk of busivaling in the base metals at ness done; the producer price e same time. Several of the as it is known is adjusted on inor metals like bismuth, occasions in accordance with

ub of the metals trading world, comprises supplies from , all of Rome, re an important influence in other sources—from producers iding London's role in minor netal trading too. So has been be assistability. So has been be assistability.

THE London Metal in New York—while it was lying supply-demand situation to try to stop the price slide by countries, dependent on move change price movements found impossible to work out more closely and clearly. cutting out uneconomic product ments in the free market

Apart from aluminium and merchants on the free market in London and other own metals, like wolfram ungsten ore), antimony, smuth, cadmium, chromium, ercury, selenium and a host of the other metals have a two tier pricing stream, one official price other metals and allors aded by London merchants, is used in direct supply and by London merchants.

consumers and producers and merchants on the free market in bouse London price, but the failure—mainly because the China has been an observer.

Spread of production away from steady price rises in the past 18. However, there is little months even during the worst incentive for any positive action and Spain, as well as the huge part of the economic recession to be taken at present in view surplus that has built up because the China has been an observer.

Most of the other minor metals have a two tier pricing surplus that has built up because the China has been an observer.

Spread of production away from steady price rises in the past 18. However, there is little traditional suppliers in Italy months even during the worst in view surplus that has built up because the China has been an observer.

Spread of production away from steady price rises in the past 18. However, there is little the traditional suppliers in Italy months even during the worst incentive for of the steady rise in prices that have lessened the incentive for of the steady rise in producers to achieve price has taken the tungsten ore demand in recent years owing stability, despite the volatile market to historically high the past 18. However, there is little the traditional suppliers in Italy months even during the worst in the past 18. However, there is little the traditional suppliers in Italy months even during the worst in the past 18. However, there is little the traditional suppliers in Italy months even during the worst in the past 18. However, there is little the traditional suppliers in Italy months even during the past 18. However, there is little the traditional suppliers in Italy months even

inor metals like bismuth, occasions in accordance with past decade has been suffered Russians have been net economic recession world-wide, by mercury, which was the importers in recent years while brought prices generally back roducts produced in the mintion and more usually to reflect metal whose resources would be the Chinese have significantly down sharply from the high the first to be exhausted on a reduced their exports restricting levels reached during the 1974

nance for merchanting deals of producers either seeking extra ance was made for changes in purchases that were previously beliwether of the general state ank of England curbs on the sales or not abiding by the consumption patterns and the made direct from the Chinese. of economic activity, and on that se of sterling loans for deals producer price for some reason use of substitute materials or But in the past few years it basis the recent general etween two third countries or another.

processes. Attempts by mercury is believed some kind of barter hardening in prices must be egotiated through Britain may

In the cases of metals like producers to form a cartel deal—nickel for tungsten or—encouraging for the producers. rentually lead to at least some aluminium, nickel and others arrangement with a minimum may have been concluded In Britain, the general switch is the trade going away from with a few dominant producers, price below which no sales between the two countries and to dollar quotations for minor the producer price system can would be made have come to in any event Chinese exports metals and the change-over Already sterling quotations work well, although it is nor nought in the general surplus have been diminishing in from Commonwealth to EEC or the minor metals have mally the free market situation, aggravated by the volume considerably.

cutting out uneconomic produc- ments in the free market

In the past mercury produ-ference on Trade and Develop- meetings of the Tungsten Proconsumers and producers and cers did have an official ex-ware- ment also appear doomed to ducers Association, at which

use of substitutes, have led to past.

producers charging what they

The world's leading producers Experience in other minor

can get on the free market, of tungsten are are both in the metals has not been so good for It is ironic that the biggest Communist bloc-China and the producers. The slump in price slump in metals over the Soviet Union, although the demand, as a result of the Obviously these links, and the the free market price, mainly gloomy forecasts of future levels. The rift between China behaviour has little direct effect one on Metal Exchange as the comprises supplies from all of Rome . to trade directly at one stage, involved are by-products of brought the Western world other metals possibly affected free market into greater by different supply-demand activity handling increased patterns. he availability of sterling pluses to spare, secondary sup-nance for merchanting deals of pliers and often Western world of this kind not enough allow-went to Russia, and Russian minor metals often provides a

import tariffs has caused some radually been replaced by covering residual supplies that economic recession, and produ-

when their rivals in other

countries might well be paying

less. For merchants, the formation of the Minor Metals Traders

Association a few years back. and the introduction of its own

standard contract terms and

recently special agreement with

the Bank of England, suggests

that the ties with the Metal

J.E.

International traders in non-ferrous metals



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CONTINUED FROM PREVIOUS PAGE

It was hoped, and in some brokers in metals and the stock- operator. ndon Metal Exchange facili-often be carrying out the job- broker and client is based on amount on selling it. But for

peen moves to open LME mar presence of a company on this ing an account with a new turn.

kels in nickel, mercury and list is evidence of its financial client. Others will be content

The level of these charges wolfram, while contract for security. What is less easy to with the placing of a deposit raises the question of the sort limiting is drawn and move the contract. aluminium is drawn up and ascertain, and this can only be and guarantees that warrants— of return investors in metals ready to go, pending permission done by direct contact between the documents denoting owner. Should be seeking. Clearly this is an individual choice, but it a more co-operative attitude broker, is an estimate of the be handed over on request. from the highly integrated brokers' trading performance, a Others again will keep the making between eight and ten significant point to bear in mind warrants in their care. But there seems little pros. if an investor's account is to be The brokers make their profit margins very five.

have an unstabilising effect on to a small convern run from a deposit makes for a variety of necessary to decide on the jotal the producer price system and telephone in the hedroom which practices regarding the paid-up size of any commitment and it is oring few benefits. Nickel pro- is taking an investor's money stakes of clients, so the com- generally accepted that comducers are equally opposed to and trading it through an estab- mission rates vary from house modity investment should not the idea of a futures market— lished broker. There is not, in to house, and from client to exceed more than five or ten one has been tried and failed this country, any body like the client.

ting from London and bringing All of this makes the choice Futures Trading Commission in The

money from clients by combacking the proposed new mar- It is on the whole best to mission fees. Just as the other investment, trading in ket since it is feared it would avoid making any commitment absence of any set margin of metals demands discipline. It is

average commission Exchange are loosening instead n valuable invisible foreign of the broker of very great im the U.S. which seeks to protect probably works out at about one exchange earnings in the pro- portance. But, here again, there the investor from the wayward quarter of one per cent, on the expected in the past. is a distinction between the practices of the bucket-shop roundturn. That is to say, one eighth of one per cent. on buyquarters is still hoped, that the broker. The metals broker will The relationship between ing a contract and the same ies might be expanded to in- bing function, which is a quite mutual trust and confidence very large contracts with dude one or several of the separate operation on the Stock This explains the widely differ regular clients, the commission ing degrees of security the could well be less. On the other

> times the amount he is paying in commission he is cutting his The point is that like any

metals demands discipline. It is per cent, of the total investment portfolio. It is also necessary in the interests of peace of mind not to make any commitment which would be financially embarrassing if the whole lot was lost.

Losses

Brokers are obviously not out to lose their clients' money, so the investor should discuss with them the question of stop-loss points, at which time metals should be sold if the market is moving adversely against their position.

Losses can in any case he minimised by careful attention to the market. The investor is essentially providing speculative funds for the market and thus contributing to the liquidity which is needed for trade hedging operations. It therefore makes sense to keep trading within narrow limits during the months when industry involvement is traditionally

at a low ebb, like the summer. The investor should also keep in touch with the fundamental factors of supply and demand for the metals in which he is trading. But this sort of knowledge is not enough in isolation, for it is quite conceivable that the market prices will advance when all the supply-demand indications show there is a metal surplus. This means that he is thrust back on the technical analysis of the market which the broker can provide.

Trading in metals can, in short, be an extremely subtle business as investors learn the mysteries of techniques like saddles and pyramiding, on how to make money when prices are declining as well as when they are steadily moving up. But it is not the sort of investment that can be made and left alone, for the market has to be watched. And the investor should not be prone

insomnia.

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The twenty eight whose membership

the London Metal Exchange can now

users and producers worldwide who

look to the LME as their business

of the Ring and whose record of

The thousands of metal traders,

count to its universal credit.

yardstick.

Battle to satisfy future needs

ETALS have a fascination for man that is difficult to analyse or define. The early quest for gold was not only a quest for wealth; it was also a quest for material with unique characteristics for the fashioning of symbols of authority, and for the adornment of rulers and their consorts. This need of society for materials with special properties persists and provides the driving force for the present metal extracting, metal fabriand metal industries. As a measure of this need, in technically advanced nations about three quarters to one tonne of metal is now used per head of population per

Some two thousand years ago seven metals—copper, silver. gold, iron, lead, tin and mercury were known to man and from these perhaps ten alloys or mixtures were made. We now know from work on the periodic classification table that in the sequence from hydrogen (nickel, chromium, zinc and veins or floats. Such veins are and the substitution of one

They are notoriously from these types of deposits. reactive with water, oxygen and usually found as oxides or sul- metals, it would appear that in the demand for a metal will recycled metal accounts for by the data in Table 2. usually found as oxides or sult means, it would appear that in the demand tof a metal will recycled metal accounts for by the data in radie 2, one phides. Two types of natural mining metalliferous minerals, grow because of population about 65 per cent, of the lead, the major uses of zinc is for the concentrations, or ores, of and then taking metals from growth, social aspirations and 50 per cent, of the lead, the major uses of zinc is for the concentrations, or ores, of and then taking metals from growth, social aspirations and 50 per cent, of the lead, the major uses of zinc is for the concentrations. found. One kind is the sedimening asset. This is the situation demand will then decrease as respectively of the annual continuous as a sacrificance. weathering of rocks and sub cry "doom!" sequent movement of the as bad as they would make out? weathered products by stream, we know from the work of a variety of metals with the by the technical problems of cycled. The resource life in horizontally stratified deposits, with nuclei having a mass about It is no coincidence that the ores half-way between that of hydroof the two most widely used gen and uranium are the most metals, iron and aluminium, are stable. As a result, when the

KNOWN RESERVES IN RELATION TO CRUSTAL ABUNDANCES FOR A VARIETY OF METALS



Reading out the day's official prices at the London Metal Exchange.

silicon and tin); or for con-where geological faults have sumption. ferring special properties on a occurred, filling the faults with A further influence on con- anyone and the potential energy market forces will lead to pring the faults with A further influence on con- anyone and the potential energy market forces will lead to pring the faults with A further influence on con- anyone and the potential energy market forces will lead to pring the faults with A further influence on con- anyone and the potential energy market forces will lead to pring the faults with A further influence on con- anyone and the potential energy market forces will lead to pring the faults with A further influence on con- anyone and the potential energy market forces will lead to pring the faults with A further influence on con- anyone and the potential energy market forces will lead to pring the faults with A further influence on con- anyone and the potential energy market forces will lead to pring the faults with A further influence on con- anyone and the potential energy market forces will lead to pring the faults with A further influence on con- anyone and the potential energy market forces will lead to pring the faults with A further influence on con- anyone and the potential energy market forces will lead to pring the faults with A further influence on con- anyone and the potential energy market forces will lead to pring the faults with A further influence on con- anyone and the potential energy market forces and the potential energy market forces will be a further influence on con- anyone and the potential energy market forces will be a further influence on con- anyone and the potential energy market forces will be a further influence on con- any one and the potential energy market forces will be a further influence on con- any one and the potential energy market forces will be a further influence on con- any one and the potential energy market forces will be a further influence on con- any one any one any one and the potential energy market forces will be a further influence on con- any one any as metallic coatings metalliferous minerals to give sumption is that of recycling is dissipated.

If we ignore for a moment minerals are them, we are drawing on a wast-

> first formed the tendency was for those atoms around the taken of the possibility of and aluminium are used in the cades should be to assess who middle of the periodic table to recovering metals from sea building trades and hence tied are the critical uses of medical controls. be produced and this is where water or from the sea bed, while up for many decades. If dur in relation to technical is most of the useful metals are it has been assumed that the ing that period there has been quirements and difficulties a most of the useful metals are it has been assumed that the ing that period there has been quitements and under the be found. This is reflected in the same basic types of ores will be a growth in demand, the scrap substitution. Would it then be continental crustal abundance, used and that recycling arising will now only form a possible to limit the use of that is the average percentage patterns will remain the same.
>
> Smaller proportion of the total those metals having a low one of the low of a particular element found

Abundances

R = A+10"

From the use of this formula will be ignored. it is possible to assess reserves However, a further source of for all the metals, and these metals is the manganese assessments can be compared nodules recently discovered on still to be discovered.

along traditional lines in ex-about 800 times the known ploration techniques in mining reserves of manganese, forty and mineral processing, the times the known reserves of reserves R are probably about nickel, twenty times the known three times those given by the reserves of cobalt and copper above formula and these values and ten times the known for a range of metal are also reserves of lead and zinc.

The problem now is to assess nificant amounts of metals lost how quickly these reserves are through nuclear disintegration.

alloying additions to the bases molten rocks and react with tion and increases in their ex-natural gas, coal and oil are as the conventional sources of molybdenum, existing solid rocks, particularly pectations will increase con-burnt the products of combus- any one type of metalliferen

metals seldom occur in nature to mine. Lead, zinc and copper a wide variety of metals availin the uncombined or native are examples of metals produced able, this is a real possibility. The recycling of metals in metal recycled and, where a but difficult to quantify. fluences

The safest way of predicting amount of new or virgin metal reactive with water, oxygen and the problems of recycling resource life is to assume that required. In Britain secondary metallurgical ironies reveals technological change, but that and 40, 30 and 25 per cent, tion against corrosion whe tary deposits developed by which some people seize on to shortages develop. On this basis sumption of copper, aluminium coating and is leached away. But are things snortages develop- on the and zinc. s dad as they would make out? dynamic resource life index for These values are influenced remaining steel is then.

the next page. Before becoming too alarmed that of virgin metal and also 626 years. Is it really sensi at the data given in this table, a the time for which metal com- to protect steel with zinc? atoms composing the earth were number of qualifications have to ponents stay in service. Con- Perhaps a major task of m be made. No account has been siderable amounts of copper urgists over the next few Sea water contains appreci-

able quantities of metals and during the last war was used; for the production of mag-nesium. The total amounts of These crustal abundances for different metals available in some common metals are given the oceans is given below. in the table below together with While these amounts seem the total mass of metal available small in relation to total if mining is carried out to a amounts available in rocks. if depth of 3.5 km. However, with assessed in relation to the the known mining and bulk opt mistic amounts of recovermineral processing methods not able metals from rocks (R'), sea all of these metals could be re- water could become a useful covered. For those metals source of some metals at the where it is possible to assess lower end of the table below the known reserves with some which are also those at the accuracy it is found that these upper end of the table on the are related to the crustal next page. The rocks composing abundance by the expression the sea bed have approximately where R equals known reserves the continental crust, but pros-in tonnes and A is the crustal pecting and mining from the sea

the same crustal abundances as abundance expressed as a per-bed poses formidable problems and therefore these possibilities

with the accurately known the sea bed. Besides the manreserves. The divergances for a ganese, which is the major variety of metals are shown metallic constituent, there are graphically above, and this appreciable quantities of iron, would indicate that there may nickel and cobalt and minor well be extensive deposits of amounts of lead, zinc, molyhcobalt, tungsten and uranium denum and vanadium in the nodules. Just from the Pacific Taking the most optimistic Ocean nodules alone it is estiimprovements mated that the metal content is Apart from the almost insig-

going to be consumed. If we the old statement that atoms divide the known reserves by can neither be created nor

of this type, for the ores are the annual consumption we are destroyed is still true, so that consumption. In reality metallic rich in metal and easy to find, almost bound to get the wrong although metals may be taken higher proportion of the metallic rich in metal and easy to find, almost bound to get the wrong although metals may be taken higher proportion of the metallic rich in metall and easy to find, almost bound to get the wrong although metals may be taken higher proportion of the metallic rich in metall and easy to find. The other concentration pro- answer, for the actual reserves from the earth, and fashioned put in service at any one time these elements about 40 are in cess develops from the primary are greater than, the known in various ways, they are not is recovered than is usual common use nowadays, provid- solidification of the earth's reserves, while improvements lost—they are just redistri- appreciated from the distriing the bases for alloys—for ex- crust. Hot vapours and liquids in technology will increase the buted. This is a completely given above. ample, iron, copper, aluminium containing metals in solution available reserves. Alterna different situation from that of Taking all these factors in metal and titanium: as special are forced upwards from still tively, increases in the popula- energy reserves, for when account it would appear the

> tion are of little interest to minerals become exhauste lead to the exploitation of les creases in the amount of t

results shown in the table on scrap recovery and refining and for zinc is forty years, w the processing costs relative to that for iron and hence stee

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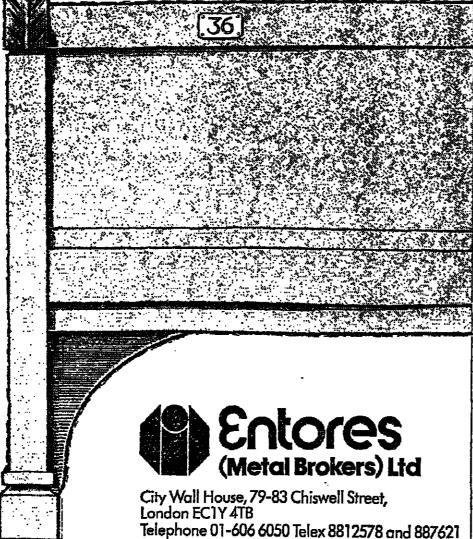
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THE RESERVES OF METALS

7	Metal	Continental crustal abundance	outer 3,5km	Optimistic estimate of recoverable	Metals in the ocean
		(A) %	erust Tonnes	metals (R') (3xAx10") Tonnes	Tonnes
l	Silicon	29.0	43.5x10"	8.7×10 ¹²	4.7x10 ¹²
ŀ	Aluminium	8.3	12.5110"	2.5x10 ¹²	1.6x10**
ı	Iron	4.8	7.2x10"	1.4×10'2	1.6x10°
ļ	Magnesium	2.1	3.2x10"	6.3×10"	2.1x10 ^a
ł	Titanium	0.53	8.0x10"	1.6210"	1.5x10°
1	Manganese	0.10	1.5x10"	3.4x10 ¹⁰	3.0x10°
ı	Zine	0.0081	1.2x10"	2.4x10°	1.6x10"
ı	Chromium	0.0077	1.1x10 ¹⁴	2.3x10'	7.8x10'
١	Nickel	0.0061	9.1x10"	1.8×10°	3.0x10°
ı	Copper	0.0056	7.5x10°	1.5x10'	5.0x10°
I	Lead	0.0013	1.1x10"	3.9×104	4.6x10'
ı	Tin	0.00016	2.4x10"	4.8x10'	5.0x10°
ı	Tungsten	0.00012	1.8x1012	3.6x10'	3.5x10 ⁴
ł	Molybdenum	0.00611	1.65x10'2	3.3x10'	1.6x10°
l	Gold	0.000000035	5.2×10°	1.0x10°	6.0x10°



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complicated game of competing interests

peting interests play against of his original forward sale.

n as a form of insurance but less be the same. s more accurately a system rked price fluctuations.

et by the taking of a reverse principle remains the same. ition on the terminal market, LME, so that losses on the Growth

apleted this transaction, he uld sell the same quantity of tal forward on the LME.

At the time of the metal's ginally sold forward.

BUSINESS is without risk, lost that amount on the physical each business endeavours sale. On the LME, however. liminate the chance of loss, the merchant would be able to concern using raw close his position by buying at erials is automatically part the prevailing settlement price. a complicated game where £10 less per tonne than the sum

influenced by the vagaries A loss in the physical market upply and demand and the has therefore been balanced by lability of finance. Ready a profit on the terminal market clies may be quite different and the merchant has broken n stability of price in a even by playing one market ation where producers seek against another. Had the price, mum returns and con- on the other hand moved iers seek minimum outlays. higher in the interval between or the metals industry in the two pairs of transactions, he widest sense, the use of would have gained on the ging on the LME is an physical transaction but lost on mpt to keep risks at the the terminal market transaction, est possible level. It is often The net result would neverthease as a form of increases but less be the same and increases but less be the same

That is an instance of a sellbook balancing, where the ing hedge in its most basic rements in one market are form. A buying hedge works d to counteract the move- in opposite fashion. And it is. its in another in an of course, possible to work out mpt to limit exposure to endless and complex variations, using different markets simulimply, the buying or selling taneously, carrying over conmetal in a physical sense is tracts and so on. But the basic

the merchant, for example, introduction of standardised even further because those who no figures are available to when the main search for the buy a quantity of metal contracts for dealine and the do hedge may well be taking the buy a quantity of metal contracts for dealing and the do hedge may well be taking quantify the use of the differ profits is inevitably conducted growth of speculation, as being positions on the market as well

dealing in paper so that trans-

PROCESS OF A SELLING HEDGE are faced with one serious

THE PHYSICAL TRANSACTIONS

Merchant buys 100 tonnes of

lead at current LME settlement price of £320 a tonne.

The lead arrives and merchant delivers to his customer at the current LME settlement price of £330 a tonne.

The result is a loss of £10 a

The net result by balancing one transaction against the other is break even.

supports the comment of one portant result springing from reluctant to use the facilities of broker: "The LME exists be thus.

arbitrage designed to estate des ou die Line has been haste matter between broker and middle of 1975. of the way the metals prices ket and the maintenance of its client. Further the line between international position. One his hedging and taking a speculatorian lists hedging, with the tive position becomes blurred Contracts

> And, indeed, the three are physical metal changing hands sections of the industry use the linked. The use of a standardinternational economic situa- some generalisations.

en the merchant would have ing facility for the international Japan, is evidence of the rela- price obtaining on the market. tively small amount of metal price movements hedging

> There is, in any case, a difmost heavily traded and the costs of production. fact that the LME cash price costing of most contracts be fabricators use

chants or fabricators using the to-day.

zinc market for hedging. This is Scrap merchants are not in

from producers, they are as ex-

THE LME

TRANSACTIONS

Merebant sells forward 100

tonnes of lead for delivery on

date of physicals arrival at

current forward price of £340

Merchant closes his forward

position by buying 100 tonnes

of lead at the current LME

settlement price of £330 a

The result is a profit of £10

sionally to use the market they

restriction. Scrap metal prices

tend to move independently of

the LME prices for primary

The fabricators were drawn

to the market as its facilities

developed in the late 19th

century. They buy metal in its

primary form and carry out first

stage processing. In the case of

copper, they buy wirebars and cathodes and turn them into the

shapes needed by their custo

mers: shapes sections like sheet

strip, tubes and rods. Buying

often on a monthly quota basi

posed to price variations as the

Manufacturers, who purchase metals after the first stage of

the LME for hedging, often pro

there is reluctance to indulge

in the expense of employing a

specialist to watch the markets

there is any need to hedge on

back basis, where they are buy

already sold in advance.

ing what they have in effect

Supporters of the LME, and indeed those who are active on it, do not find this sort of reason-

ing convincing. The failure to

hedge, they argue, is a danger-

ous speculation in itself. The

LME is not, after all, a haven

of gamblers but a centre of trad-

ing, created by those in the

P.C.

merchants.

mining and metals industry and infrequently. There is an am- processing, are on the whole Given the fact that only a resi- ferring to accept fluctuations as

rest is speculation."

For all that, it remains impossible to specify exactly the amount of hedging that takes amount of hedging that takes which is very vulnerable to place on the market propor-tionate to total trade. Tonnages of metal that sharps bands are of metal that change hands are excessive build-up of speculative varied. In the first instance, The growth of hedging facili- reported daily, but the reason activity led to a temporary ban there is some ignorance of the the other. It is an exercise the growth of neughig facility for each transaction remains a conventy fed to a temporary oan mere is some ignorance of the arbitrage designed to establish on the LME has been basic matter between broken and

rseas at the current prevail-IME price and arrange for transport to London. Having apleted this transaction, he growth of speculation, as being positions on the market as well. ent metals for bedging. Nor are Nevertheless the amount of they available to illustrate the hedging reflects the amount of fashion in which the different

On the production side, the the time of the metals dealing in paper so that transitival in London he sells actions can be completed with a time of economic expansion.

The indications are that hedge the prevailing LME rate. On metal. The growth of speculating ing is currently at a fairly low metal. The growth of speculating local Metals transitive than when they are retreating. LME he closes his position tion provides the source of level. Metal stocks were run Their sales contracts are often the purchase of a contract to funds through which the metals down in 1974 and since then worked out on the basis of aver-, the quantity of metal he trade can conduct hedging there has been a tendency for age LME prices, calculated operations. The speculative the metal users to work on a over terms of perhaps one ort is quite likely that market funds are the risk money which hand-to-mouth basis in the face three months. When the mart is quite likely that market funds are the first trade. Of sluggish industrial activity, ket is on a definite upswing, ces will have changed in the provide liquidity for the trade. Of sluggish industrial activity, ket is on a definite upswing, erral between the two pairs. The international character of The build-up in metal stocks, they can register the difference transactions. If there had the LME's membership testifies both at the LME and elsewhere between the price they receive in a fall of £10 per tonne, to the importance of the bedg in areas like the U.S. and for actual physical sales and the

London brokers have noted. held in the trade and subject for example, that the mines operations are designed to in price during 1973. During the succeeding downturn, howference in the amount of hedge ever, the situation was very ference in the amount of hedge different. The mines were not ing which takes place between the LME metals. Inevitably copper is the most extensively positions on the market when hedged, a natural ensequence of the fact that it is the metal

As far as consumers are is the reference used in the concerned, the merchants and tween suppliers and consumer: most extensively. Hedging was actually started by merchants At the other extreme, there is wishing to protect their shiplittle hedging interest in silver, ments, stocke and future com-Nor is there much point in mer. mitments. The same needs exist

because of the European pro- quite the same position. Alducer price which changes only though they are known occa-

Needs

CONTINUED FROM PREVIOUS PAGE

critical applications or to where ESTIMATED LIFE TIME OF recycling is comparatively easy and officient? There are those who would argue that normal market forces will take care of this situation. It is to be hoped Zine that they do, for any legisla- Gold tive action would need to be on Tungsten an international scale and diffi- Lead cult to control.

One thing certain to happen. Silver in view of the data snown in Molybdenum the table on the right is that the Mercury price relativities between metals will change very markedly over the next fifty years.

Index

What of the longer term Cobalt With the extent of metallurgical knowledge at the ticularly in regions where poten metallurgical knowledge at the ticularly in regions where poten-moment, there would be no diffi-tial aspirations are greatest, culty in providing metals and then there should be no diffialloys to meet present engineer-culty in providing the metals ing needs if we were limited to society requires.

the use of those metals with a The other critical results of the control of present dynamic resource life of energy. The most optimistic is assumed that aluminium is in based on fossil fuels give a this category. This is a fairly dynamic resource life of 300-safe assumption for the dyn-safe assumption for the dynamic resource life index of metal then, as we have seen. aluminium is based upon baux- there is no real shortage of ite as the primary raw material metal atoms—all that is reand only slight improvements in technology or price differentials are needed for a very them from the other atoms they abundance of aluminium.

There are two critical long-term issues. The demand for using human beings. metals is clearly linked to population growth and increasing standards of living. If popula-tion growth can be limited, par-

Dynamic Resource Life Index

The other critical issue is that index of about 500 years, but it estimates of energy reserves quired is abundant energy to concentrate and then liberate much wider range of alumin- wish to be associated with or ium-bearing materials to be have become associated with as considered as workable ones, a result of man's actions. and this should be judged in Nuclear power derived either relation to the high crustal by fission or fusion is the real long-term hope if the earth is

> Professor J. Nutting The Metals Society

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The language of the commodity markets

ARBITRAGE: This is a very the forward position. The back professional operation which wardation is also referred to as swill an effect of the same at lateral professional operation which wardation is also referred to as yet with the simultaneous and simultaneou

brands must conform to a Cash and Carry.) typical assay for the brand in BROKER: One who

established around the time of clients as brokers.

shipment. Outside the U.S. CALL OPTION: An option the price used by producers is which gives the holder the currently the LME settlement right to buy metal from the half-commission agents — so currently the LME settlement right to buy metal from the price. Each day's settlement seller of the option at the basis price is valid until noon the or striking price. A call option of called because they are ALTHOUGH LARGELY unsung, house in slabs, plates or ingots conveniently situated rewarded for introducing the the whole operation of the weighing not more than 55 kgs. house.

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ACTUALS: The physical com- price of a metal stand at a to describe a borrowing opera- END CONSUMER: A com- of metal. Equally suppliers simultaneously around the remodity itself as opposed to premium over the price of tion which results in physical pany in whose hands the can deliver their metal to the Kerb trading is often expressions made by the metal for delivery in three metal being carried in an LME identity of the labricated metal LME if their customers declare simply as "on the kerb "trade to reduce their wish of metals."

establishes his contract with a not act as a principal. By producer which commits him extension, ring dealing members to receive a certain limited of future markets are often tonnage—usually for the next called brokers, especially in the U.S.A. However, on the ments.

Where copper is the metal as principals, though they are contracted the price is only still usually referred to by

somer has the option of "fix- prices rising and limits the business and maintaining local London Metal Exchange hinges each. a proportion of his buyer's risk to the premium contact with the client by a half on a string of over 50 European

hedging operations made by the metal for delivery in three trade to reduce their risk of months' time. A backwardation warehouse by the borrower. being exposed to price fluctua- occurs when nearby supply in tions. The term is very seldom a metal is tight. The size of used in relation to the LME the backwardation is determined by the supply/demand of the forward position over the prompt generally reflects to "physical" for the factors on the nearby positions refers to "physical" for the factors on the nearby position. Arbitrage: This is a very the forward position. The back-metal.

ARBITRAGE: This is a very the forward position. The back-metal is now with the prompt generation of the point where professional operation which wardation is also referred to as involves a purchase in one the "back."

Metal.

ARBITRAGE: This is a very the forward position. The back-metal is now with the prompt generation of the point where involves a purchase in one the "back."

Metal.

ARBITRAGE: This is a very the forward position. The back-metal is in surplus the contango may widen to the point where banking operations are attracting and involves a purchase in one the "back."

Metal.

ARBITRAGE: This is a very the forward position. The back-metal is in surplus the contango may widen to the point where banking operations are attractions.

A company which transforms HEDGING: The establish-date, thereby extending a like the product, for example, a force majoure.

GOOD TILL CANCELLED from the term is finally lost in a more complete to force majoure.

GOOD TILL CANCELLED from the early history of cancer force majoure.

Former, ctc. Some of these buy or sell which is valid every trading after hours was literated to the same factors on the prompt generally reflects subsidiaries. (See also Fabricating market day during rings and conducted on the kerb."

FABRICATOR (sometimes a product, for example, a force majoure.

Some majoure.

Some

"Comex is 66 cents" meaning buyer and seller in touch with the Comex copper price is 66

contracted the price is only still usually referred to by commission houses are them-

has become more important in day.

rings and kerbs during the day drawn up by the warehouseman, the act of simply building large and that in the long history of the on which it was placed. If Silver for delivery to LME lumps of metal into neat piles. deliveries of metal against LME Many of these specialists on the second simply building large and the lumps of metal into neat piles. not executed that day, it is approved vaults and warehouses Many of these specialist comautomatically cancelled. If is packed in lots of 10.000 troy panies use their expertise not valid for all markets (that is ounces. All warrants list the only to stack and sort, and pre-market, lunchtime, even-tings) any instruction should and number of pieces, and the undertake ship chartering and clearly state "all markets." The clearly state "all markets." The warehouse and its location. The provide full transit facilities and which they reserve the right to order can then be executed at warrant is in fact the unit of a whole range of other ancillary delay delivery of metal if the

date on which the buyer's right ing the stocks held in the companies draw up represent unique basic service to the to exercise his option expires, various warehouses and is a entitlement to one lot of a industry, the stocks held by the DELIVERY DATE OR well-recognised form of col-particular metal. The LME warehouses act as a barometer PROMPT DATE: The date on lateral in the banking world, broker delivers the warrant to the world supply and demand which a metal has to be delivered to fulfil the contract Registered

of money by a client which is approved LME warehouses must seller's option, but the system stocks of most metals, particularly required by his broker to justify be a registered LME brand, has a good deal of flexibility, larly copper, were at unusually the opening of a futures This is to ensure that the metal inasmuch as brokers are con-high levels last year (coppe position. The size of the deposit received will always meet the stantly changing warrants from still is) the LME's approved is usually 10 per cent. of the standard LME contract's dimenone delivery point to another to warehouses acted as an indusvalue of the contract. (See sional and purity specifications, suit the buyer. A purchaser may trial safety valve by allowing

which gives the buyer or taker this contract must be "produced metal. But if this warehouse on the warehouses for addiof the option the right to either by distillation or electrolysis." buy from or sell to the seller and must be zinc of minimum brand he requires. It is usually needed. or giver of the option at the 98 per cent. purity. It must possible to exchange warchouse

Warehousing network

open position by buying or sel- producers and consumers. Some the warehouses receive over 60 prompt metal needs, the warehouses receive over 60 prompt metal needs, the warehouses receive over 60 prompt metal needs, the warehouse of least a supplying industry with the prompt metal needs, the warehouse of least a supplying industry with the prompt metal needs, the warehouse of least a supplying industry with the prompt metal needs, the warehouse of least a supplying industry with the prompt metal needs, the warehouse of least a supplying industry with the prompt metal needs, the warehouse of least a supplying industry with the prompt metal needs, the warehouse of least a supplying industry with the prompt metal needs, the warehouse of least a supplying industry with the prompt metal needs, the warehouse of least a supplying industry with the prompt metal needs and the supplying industry with the prompt metal needs and the supplying industry with the prompt metal needs and the supplying industry with the prompt metal needs are the supplying industry with the prompt metal needs and the supplying industry with the prompt metal needs are supplying industry with the p COVER: The balancing of an sources - refiners, merchants, approved list. At the moment ing on the LME. It is also of this metal, especially from brands of lead from producers housing system ensures consumers and consumers, is from surplus throughout the world, so tinuity of supplies despite the CUSTOM SMELTER: A stocks held in times of slack brands of zinc, 50 of tin, and Adequate stocks in LME ware smelter which depends for its demand. As part of the total over 130 brands of copper wire. Adequate stocks in LME ware intake mostly on concentrate LME service a holder of surplus hars and cathodes in addition houses ensure the needs of intake mostly on concentrate LME service, a holder of surplus bars and cathodes—in addition purchased from independent metal can place this in an to some 70 brands of silver. mines rather than its own approved warehouse, sell it as So although the prime of a serious U.K. dock strike captive main sources, or on "cash" metal on the Exchange, function of the warehouse is to the existence of Continental scrap. This type of operation and collect his money the next ensure that each lot of metal warehouses proved to be

DAY ORDER: (G.F.D.): An warehouse, copper, lead and pieces, and that it is an obtain their marginal order placed with a broker lots and tin into 5 tonne approved LME brand, the actual ments of metal. which is valid throughout the Each lot is covered by a warrant much more sophisticated than that in the long history is a consumer were still warehouse. currency on the LME. It is used services. DECLARATION DATE: The as a bearer document for financ-

Taking standard zinc as an normally use a warehouse near consumers to run down their DOUBLE OPTION: An option example, the metal listed under his factory when collecting his own inflated stocks and to rely

ing a proportion of his buyer's risk to the premium monthly quota on that price up to that time.

This price-fixing operation is referred to as backpricing.

BACKWARDATION: The borrowing and lending best to the LME. It is also used to normally exceed the cost of financing, insuring and storing for over 50 European warehouses at places as diverse as London, Liverpool, New brand of copper, for the metal stored. The owner of the warrant-warehous asting of over 50 European warehouses at places as diverse as London, Liverpool, New broad of copper, for the metal stored. The owner of the warrant-warehouse at places as diverse as London, Liverpool, New broad of copper, for own warehouse at places as diverse as London, Liverpool, New brand of copper, for own warehouse at places as diverse as London, Liverpool, New brand of copper, for own warehouse at places as diverse as London, Liverpool, New brand of copper, for own warehouse at places as diverse as London, Liverpool, New brand of copper, for own warehouse at places as diverse as London, Liverpool, New brand of copper, for own warehouse at places as diverse as London, Liverpool, New brand of copper, for own warehouse at places as diverse as London, Liverpool, New brand of copper, for own warehouse at places as diverse as London, Liverpool, New brand of copper, for own warehouse at places as diverse as London, Liverpool, New brand of copper, for own warehouse at places as diverse as London, Liverpool, New brand of copper, for own warehouse at places as diverse as London, Liverpool, New brand of copper, for own warehouse at places as diverse as London, Liverpool, New brand of copper, for own warehouse at places as diverse as London, Liverpool, New brand of the metal stored. The condoing as London is tell fit is also the res

delivery period. (But see Cash Metal arrives at the ware- analysis is undertaken by two house basically from four official assayers on the LME's

to be put on warrant is of the vital importance as Europea years. (See also When the metal arrives at the correct weight and number of consumers were still able to

also be delivered to the ware- warrants for metal in another

Apart from its function of industry are met instantly extremely significant point panies, in their contracts, have a "force majeure" clause 填

Finally, apart from their against payment by the client situation through regular stock up to 14.30 hours on the prompt returns received from the ware or settling day. The delivery houses and published once DEPOSIT: The initial outlay All metal delivered into points for the metal are at the week by the LME. Also, when does not have the particular tional supplies as and when

Ian Dunning

LEOPOLD LAZARUS

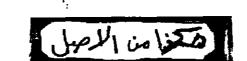
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ter, using water due to be others down elsewhere. ised later in the year, and buying in supplies from r areas, the first shutdowns low beginning to take place. the biggest U.S. proite r, has closed one line out

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(IUp to close 8th February 1977)

DATE RECOMMENDATION

23 September

4 October

21 October

17 November

9 December

11 January

13 January

28 January

PRICELEVEL (3 MONTHS)

£880

£820

£830

£797

£835

£823

£876

neville Power Authority, has of raw materials and smelting, in the first few months of 1977 unable to meet fully its on the materials and success will be are expected to be high.

tiations have been taking its on the materials and success will be are expected to be high.

tiations have been taking incurred in bringing pots back. Last year the U.S. producers points nevertheless to the have obtained further capacity into secure extra supplies by the country while closing in line and the price of the metal generally strong demand for through acquisition, notably ring the lakes down even others down elements, while closing in June and again in August the metal they have been Kaiser, none of the U.S. majors

the U.S. aluminium pro- Western world output, a reduc- 350,000 tonnes of metal from a background of increased pro- The unanswered question as have been affected by the tion will clearly have implicate the company's Canadian smelt-duction difficulties a further rise far as the industry worldwide

urces.

down at two U.S. smelters, but levels achieved in the two preduring the course of 1976, and the two preducing the course of 1976, and the main supplier, the as Steve Hutchcraft, vice ceding quarters, order books the continuing high rate of neville Power Authority, has of raw materials and smelting in the work and deliveries inflation.

to its present price of 48 U.S. experiencing

CONTINUED FROM PREVIOUS PAGE

VEXPECTED new element reduce capacity in the U.S. The latest cutback comes, cents per pound but in the case months. Though some customer on brought into the calculational industry by some furthermore, only after the of semi-fabricated products industries in the U.K. such as of the world's aluminium. 350,000 tonnes this year or settlement of the last in a series difficulty was encountered in motors and building have made ers this month by the roughly 7 per cent. of U.S. of strikes at Alcan stretching implementing the second round only a partial recovery from ffects of the U.S. weather capacity. With the U.S. account back to last June, which has of rises. It is now widely the recession, export markets Like all other manufacing for just under half total resulted in the loss of about expected, however, that against have been buoyant.

on the East coast which tions for supply and prices of ers, and at a time when poor will take place in the ingot is concerned, is whether the lisrupted power supplies aluminium over the next year, prices and weak demand have price before the middle of the improved market coupled with importantly, hit the operaof their customers.

In the U.S.

Implied market coupled with grant very little new capacity year.

Implied market coupled with the defects could be felt in meant very little new capacity year.

the tightening of the metal importantly, hit the operaof their customers.

In the U.S.

Implied market coupled with the defects could be felt in meant very little new capacity year.

Thus although the relatively other European markets have the investment required to susof their customers.

In the U.S.

Stocks of aluminium held by primary producers around the supply will be available this what stronger in price terms the return to higher shipment world are likely to provide a stronger on the aluminium actually began to rise again in the U.S.

Thus although the relatively other European markets have the investment required to sushigh stock levels means that perhaps surprisingly been some tain growth in demand in the supply will be available this what stronger in price terms the return to higher shipment already, as the much improved the return to higher shipment levels has had its effect on the boliance sheets of Alcoa. Reynolded in the fourth quarter last year as the fourth quarter last year as the industry paused in its rethe Europe and through the fourth quarter last year as the producers point out, has merely provement in profit. There has a the producers had been U.S. equivalent after lagging of the low in August last year of just over 4m. In particular, and, in particular, and although the fourth quarter also redect the need for adjustmoved the proper and particular and particular and particular and parti

The aluminium companies to justify further investment ability to implement the rises and although some producers

around 55 cents per 11b to be the minimum price level needed recent has any plans for substantial new plant. At the same time the contribution which it was thought the new oil and bauxite rich countries might make towards the metal supply looks at best to have been de

her leading producer with smelters in the area, has size in which one may deal. On the LME a lot is often called a the first obtainable price or hedging operations of producers it is only a matter of time the LME a lot is often called a the first obtainable price or hedging operations of producers growth in aluminium usage is prices on the market for the he same and unless there copper, lead and zinc the lot the same and unless there copper, lead and zinc the lot the same and unless there copper, lead and zinc the lot the same and unless there copper, lead and zinc the lot the same and unless there copper, lead and zinc the lot the same and unless there copper, lead and zinc the lot the same and unless there copper, lead and zinc the lot to the same and unless there copper and the same and unless there copper and the same and unless there copper and the adjustments in price. The more

Rhys David

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ve at its Vancouver plant in starting a transaction by the open positions may show against among brokers before the LME layed. hington, and Kaiser, purchase of a futures contract, current market values. opens for ring-dealing. This can There is a gap therefore her leading producer with to be filled be-

is likely to be prolonged, for funds by a broker to his is reached. ibly lasting until next year. client to keep the original MERCHANT: A metal hedging the out of balance market has shown its ability to right to stewart Spector, a deposit intact at, usually, 10 per merchant—as distinct from a metal position on the LME. See ing aluminium analyst with deposit intact at, usually, 10 per producer's agent or broker — back-pricing.

enheimer of New York, the cent. of the contract's value and often acts as a principal buying PRICING IN: Where a of power threatens to covering any potential losses metal or concentrates from pro- merchant agrees to buy a piles which now seems likely if

> used to designate a closing price in the value of the basic metal. in that month or date.

offering. consumption.
OPEN OUTCRY: The method SEMI-PABRICATOR:

of dealing employed on the Fabricator. LME and other futures markets. SESSION: There are two The broker says for all to hear, sessions on the LME each day. Buy (or sell) X amount for a One in the morning and one in stated delivery date and a stated the afternoon. Each session price. When another broker comprises two five minute the deal is fixed and that price 15 minute "kerb" period. for the delivery date for the by the sale of a futures contract.

OPEN POSITION: A forward futures market market position which has not SPOT MONTH: This term, been closed out. For some U.S. which does not apply to the clearing house exchanges the LME, means the first delivernet open position is an able month for which a quota-important statistic and pubtion is available on a futures

holder the right to buy from or Comex." sell to the grantor of the option SQUEEZE: Pressure on in advance that the price basis particular delivery date which will be the closing price of a makes the price of that date specific ring or rings on the firmer in relation to other dates. LME. The buyer will therefore STOCKIST: A stockist is one be pricing-in on the close of that who holds stocks of semiring and will probably hedge his fabricated products ready for purchase by selling during the sale to users. Stockists usually

closing stages of that ring.

PRICING OUT: Is exactly the less steel/aluminium or in opposite of the above where the copper/brass/high value metals. seller is selling a quantity of A stockist function is also metal at the closing price and fulfilled by, e.g. a builders' will, therefore, hedge his sale merchant who holds large by buying during the closing stocks of copper tubing or

dealing members act as order to buy only if the market principals for the transactions advances to a specified level or they conclude across the ring to sell only if the market and with their clients. declines to a specified level. As

PUT OPTION: A put option the client at the next obtainable gives the holder of the option price. There is no guarantee the right to sell to the grantor the order will be executed at the of the option at any time before price specified. A stop loss the expiration date a specified order, as its name implies, is quantity of the commodity at an instituted to prevent or miniagreed price. A put option is mise losses in either a short or bought on the expectation of a long position. fall in prices.

REFINERY: As distinct from price.
a smelter which produces crude SWITCHING: On the LME by electrolytic or fire refining. Rotterdam for London. always preceded by smelting, physical commodity against a but in tin and zinc smelting and futures contract. refining blend into one process recovering marketable

RING: A trading period of at that price i.e. there are five minutes on the LME; e.g. neither buyers nor sellers the first tip ring is from 12:10 "over" at that price. to 12:15. SECONDARY

treat scrap materials.

DEALER: A firm which Also referred to as turnover. specialises in buying and selling WARRANT: The document at any time before its expiration title to metal stored in an LME date a specified quantity of the registered warehouse. The commodity at an agreed price warrant is a bearer instrument (basis or striking price). The and states brand of metal. cost of buying the option is weight, number of pieces etc. called the premium.

PHYSICAL: See Actuals. PRE - MARKET:

the same and unless there copper, lead and zinc the lot ow an unusually wet sum-size is 25 tons, for tin it is 5 tons or spring, or some and for silver 10,000 troy spected easing of the U.S. ounces.

**MARKET IF TOUCHED: OR price is still the valid producer cent. per annum rate of the market if a certain level are matching their sales to at market if a certain level are matching their sales to considered by all the big comgy situation, the shutdowns MARGIN CALL: A request above or below the current price customers with price fixing on panies but major decisions may the producer price and then well be delayed until the

> metal or concentrates from promerchant agrees to buy a piles which now seems that y in ducers and others and selling quantity of metal from a contract the metal on to others. He will sumer both parties will agree often hold metal for his own scrap metal. The metal purchased and sold is often in alloy chased and sold is often in alloy from the second half of the year estimate of the price for a in a fabricated form, but is futures month or date which is always on risk from fluctuations when no trading has taken place. Metal recovery is very important throughout the world. Copper OFFER: The price the seller scrap, for example, accounts for s asking for the commodity he about 40 per cent. of all copper

responds to take the bid or offer, "rings" for each metal and a

becomes the latest traded price SHORT: Starting a transaction An open sold position on a

market. For example, "March OPTION: An option gives the is now the spot month on

stages of the ring.

PRINCIPALS' MARKET: A STOP LOSS ORDER: An futures market where the ring order which becomes a market

PROMPT DATE: See delivery soon as this specified level is traded the order is executed for

STRIKING PRICE: See Basis

metal by treating mine feed switching simply refers to ex-(concentrate), a refinery pro- changing metal in one wareduces high purity metal either house for that in another, e.g. In copper and lead, refining is TENDER: Delivery of the

TURNOVER: See Volume. VALUE: An LME term referrquality metal from concentrates, ing to a price which is traded Refiners (and smelters) also in a volume sufficient to satisfy the current buyers and sellers

> VOLUME: The quantity of METAL business or transactions done.

A term also the same way as "lot." Source: Wolf's Guide

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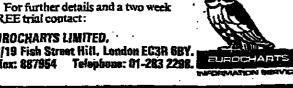
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International involvement

JAPAN

JAPANESE non-ferrous metal of curtailing their copper out industrialists and traders some- put. times view the LME with a combination of envy and criticism, of Mitsui Metal Mining and trading. But on the whole they Metal Forum last October that expect to make more use of its there are many copper produc-facilities in future. Of course, ing countries that "cannot proposals have been advanced freely use the metal market befor the establishment of a Tokyo cause of their restrictive laws metal exchange and introduce and regulations concerning tion of a producers' price sys- foreign exchange; and export tem. but a plan to set up a and import trade.

Tokyo warehouse of the LME "If the wide. seems to be under more serious metal prices formed at the

on the LME through joint ven- tion whether it is reasonable to tures with ring members, but leave pricing of their product to their operations are officially the Metal Exchange where any exchange restrictions ducers is inhibited," he said. Government, which currently creation of non-ferrous metal bans copper exports and im- stockpiles by both consumer and poses duties on copper imports. producer countries and the

personal opinion, producer and rights. consumer nations should con- Earli

Both producer and consumer tions of world copper prices, new copper mines is not feasible at the present copper price level so a serious copper shortage could emerge by 1985.

Discussions

the UN Conference on Trade a more practical solution. and Development (UNCTAD) market bog down, it will be with a plan to seek the setting sounded out the International considered feasible by worthwhile for producer and up of the Tokyo warehouse of Wrought Copper Council on the Japanese Government. consumer countries to get to the LME for the stabilisation of possibility of setting up a Tokyo gether to consider introducing a copper prices in Japan. The warehouse. At the time, ring producers' price system, he said. adding that this, however, presupposes that producer coun-tries are willing to and capable

especially in regard to copper Smelting, said at the London

"If the wide fluctuation in Metal A few Japanese firms operate long, the producers may questo hedging under direct participation by

Mr. Omoto also proposed the Mr. Akira Fujisaki, president adoption by the International of the Japan Mining Associa- Monetary Fund of these metals tion, said recently that, in his to back its special drawing

sider adopting a producers' Yoshihiro Inai, president of price system for the world cop- Mitsubishi Aletal Industries. per market to stop wide price suggested the establishment of a metal exchange in Tokyo, in order that Japan and other Warehouse Both producer and consumer countries in the Far East may countries have been suffering have more say in the forming seriously from erratic fluctua. seriously from erratic fluctua- of world copper prices. He also he continued, development of instead on a U.S. dollar basis, to be free to import and export

great deal of time to plan, the latter will seek the supset selling their copper on the materialise, Mr. Fujisaki added port of the Japan Mining Asso-LME, while Japan stopped its case of Peru it is about 50 per influence prices through the case of Peru it is about 50 per influ If the current discussions at warehouse of the LME might be scheme to the Japanese Govern-

The Japan Brass Makers Asso-

foreign correspondents look at the attitudes to, and involvement in the London Metal Exchange of some of the countries, both producers and consumers, which use it as a base for trading

Association's raw materials com- members of the LME indicated and often to the politics of the sentiment of the market are mittee has reached the conclusthey would have no objection three Andean countries. sion that an LME warehouse in to such a measure. Tokyo would benefit both copJapan consumes 800,000 tons dependent on their metals as independent
per producers and users in of copper annually and imports
Japan, and is now trying to 500,000 tons of copper-ore and
Guyana and Jamaica are on iron laws. bring the Japan Cable and Wire concentrates (in terms of metal) bauxite, Bolivia relies for 10 per

foreign trade controls by the banned since 1974. Japanese Government would be needed if the plan was to suc- stocks here following the ban ports of Latin America which

Manufacturers Association, an- and more than 200,000 tons of cent, of its gross national pro- EXAMBLE other group of users, round to electrolytic copper, the remain- duct on the mining sector, Chile der being covered by domestic 8 per cent, and Peru 6 per cent. The Association said relaxa- ore. Exports of electrolytic Together the three countries' tion of foreign exchange and copper from Japan have been

> on electrolytic copper exports, are valued at about \$33bn. a tiated for cutbacks in the shipments of copper ore and con-

In these circumstances, the smelters say they would like Three years ago the Japan to see the export ban lifted Warginal on ways to stabilise the copper ciation said it is pushing ahead Wrought Copper Council whenever such a measure is

Saburo Matsukawa

On this and the next page, our SOUTH AMERIC

month the letters LME were on mining matters. Various h printed in bold type on the vian ambassadors in Lon front pages of newspapers of La have semselves been mining Paz as the price of tin touched perts including most rece record heights. The same has General Juan Lechin, who happened in the past in Chile been general manager and Peru when there have been COMIBOL, the State mining violent fluctuations in the prices terprise before being name of other metals, notably copper. his post in Britain.

The importance of the mining But at the same time as industry in all three countries three countries try to get m ensures that what happens on mum advantage from the i the Ring in London is always of by attempting to time vital importance to the economy marketing initiatives with

dependent on their metals as independence from the I exports account for about two-To reduce growing copper thirds of the total mining ex-

companies con- centrates from producing councerned should be allowed to tries to Japan-with only par the work force in Bolivia, have enough foreign exchange tial success-in 1975 and 1976. 90,000 or 3.5 in Chile and 70,000 said that the Lake should be placed on a U.S. dollar basis, to be free to import and export placed on a U.S. dollar basis, to be free to import and export placed on a U.S. dollar basis, to be free to import and export placed on a U.S. dollar basis, to be free to import and export placed on a U.S. dollar basis, to be free to import and export placed on a U.S. dollar basis, to be free to import and export placed on a U.S. dollar basis, to be free to import and export provider of foreign exchange taining a producers' procession attain its objective of stabilising that metals and ores are the the metal which would be also world copper prices, which fell most vital to all the countries. Bolivia and Chile depend for complain that other advanced about S0 per cent, of their industrial countries were freely foreign income on the products the world's second largest placed on a U.S. dollar basis at the metal which would be also world copper prices, which fell most vital to all the countries. Bolivia and Chile depend for complain that other advanced about S0 per cent, of their industrial countries were freely foreign income on the products the world's second largest placed on a U.S. dollar basis. Japanese smelters say the or 1.6 in Peru) but it is as a

that the prices of metals fixed in London—though they often prices for the metal. refer to marginal amounts of metal not covered by long-term agreements between supplier and purchaser-are the principal thermometer measuring the economic health of the three countries referred to.

In view of the sharp fluctua- ever, a few months to go ! tions that take place in LME that refusal means the effe prices it is hardly surprising withdrawal of Bolivia from the AUSTRALIANS tend to be only the trend of sterling. Finally, last year before the prices justi- that all three governments have Council and during that tim lukewarm about the LME, and most of all, it is considered fication tribunal—a guarded very mixed feelings about the a new compromise may well be MIM's chairman Sir James in the sharpest way their defacilities are generally not avail- term interest in the commodi- Foots rates the LME "the best pendence on the vagaries of in-

that leans heavily on exporting meternly among the speak disparagingly in Australia and for our copper interest of the smelt its tin and other was more so than their customers, currency hedgers, and regard more so than their customers, currency hedgers, and regard sums up the industry view when best deal they can out of the locally and thus reduce its dependence in them as a danger to their headds: "It is alleged that there LME. This is reflected, for inpendence on overseas smelter headds: "It is alleged that there LME. This is reflected, for inpendence on overseas smelter and shortcomines to the stance, in the large office in the large of the smelt its tin and other was sums up the industry view when best deal they can out of the locally and thus reduce its deal they can out of the locally and Australia's part in the ongoing industry.

"North-South dialogue" that "The Australian public would LME and this is illustrated by aspires to produce an alterna-like to speculate on the LME," the referral by CIPEC nations to the free market that the case Mr Rudolph Rusch a man of the market the market that the case Mr Rudolph Rusch a man of the market that the case Mr Rudolph Rusch a man of the market that the case Mr Rudolph Rusch a man of the market that the case Mr Rudolph Rusch a man of the market that the

mines organisation.

Donald Lipscombe The staffs of the three em-

THROUGHOUT MUCH of last bassies usually contain expe

Though the three are not as keen to achieve some some

the decision by Chile, Par Zaire and Zambia to create Copper Exporting Countries !!! (CIPEC) to defend produc

put and two-thirds of world o

International Tin Council oldest and so far the most cessful body of consumers

For the moment Bolivia happy with the refusal of consumers to increase the International Tin Council 12: refused to ratify its confinu in the Council. There are.

But Bolivia's best chance exercising a major influence of

closer control over internations dealings in the metal though It will be reinforced in the will be difficult for it to rive

0,000 tons.
Hugh O'Shaughness

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AUSTRALIA

Mining Corporation spokesman put it: "As a long-established institution with a history of practical commercial dealing, its survival is a commentary on its usefulness to most of the

riew there is a slightly different bias from Government, or perhaps more correctly from the Government
Although Australia has made it Initiatives unilateral pricing, it has had observers in Geneva for the

from the conventional market-

ginal requirements of con-stitution and withering demand unduly by market sentiment, that runs Australia's main particularly its propensity for copper producer at Mount Isa moving in counterpoint against stated its attitude to the LME

Although they are a nation of vulnerable to highly-geared affirmative. speculative speculators who have no longable to them. With an economy ties they trade. Although in-indicator we have on price. It ternational demand.

aspires to produce an alternal target to specified on the free market that the says Mr. Rudolph Busch, a man of the matter of copper pricing Corporation.

LME exemplifies.

But the consensus is that brokers Robert Howes, "but terms the average of the LME that are stonged by Reserve and the large terms the average of the LME leave the large terms th But the consensus is that brokers known the lowes. But terms the average of the LME while this market is imperfect, they are stopped by Reserve price over the long term, next few weeks when a big new the power over the tin market is the best there is. For the Bank stipulations that permit volatile though it may be, is only genuine hedging. So only that price necessary to main sometimes indirectly, for nearly Australian producers and people tain supplies to the market."

The win be tentioned in the win be thinking the win be thinking to it in market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big new the power over the tin market next few weeks when a big next few weeks when a all Australian non-ferrous metal who physically buy the metals transactions. As a Western are able to make use of LME Mining Corporation spokesman facilities."

Australia has a unique place in the North-South debate that is focusing on UNCTAD. Geographically part of the southern bloc it has taken its place without debate as a mem-While this is the industry loped nations' team, rather than with its fellow raw materials producers among the less deve

UNCTAD initiatives for try ing to iron out the bumps and being worked out troughs that concern and some between CIPEC and UNCTAD. times ruin Australian miners Australia is an associated memare rejected as pie-in-the-sky ber of CIPEC and has aligned as commendable as the aspirawith UNCTAD in most of its tions may be. The LME reflects International Bauxite Associations may be. The Land International Bauxite Association volatility, and although tion initiatives. And of course attacking the LME for the the Australian Government has volatility is rather like blaming a floor price under wool, tradi- the thermometer for the temtionally the country's main perature, some producers main-product until the 1960s mining tain it aggravates unsettled

As mining men point out. There are no indications to bureaucrats rather like the idea suggest, one of Australia's major of a market they feel they can producers says, that cyclical pat-control. The fundamental terms of metal demand generdifference between metals and ally and for zinc in particular wool is Australia's relative are likely to become more shares in the world market for stable. Fixed investment expen wool compared with its leverage diture, the ultimate source of on LME metals, a situation com. more than two-thirds of zinc pounded particularly by the demand, is expected to face a high scrap components in particularly uncertain time, set-copper and lead that removed ting a real problem for Austraa high proportion of the total lia, which rains the area of exportable surpluses

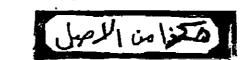
'Under such conditions of The LME's relatively more demand fluctuations the preunstable prices are seen from sence of an LME pricing system Australia to be the result of could lead to instability com three main factors. First, most pounding instability. Invest-metals are traded directly be-ment decisions, bearing in mind tween producer and consumer, the substantially higher capital making this a residual market required to establish new mines drawing supplies from con- and smelters, could be further trolled as well as free econo-inhibited." The outcome, this mies and meeting only the mar- producer warns, could be subsumers. Secondly, it is affected MIM Holdings, the company

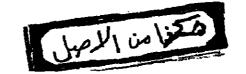
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LONDON METAL EXCHANGE XV

point is an enigma. Its con-turing firms. teration of terminology-

wareness

reness of exchanges in the and consumption. the majority of metals Among the more extreme pro-

LONDON Metal Exchange interest in the LME and how it remain suspicious of the LME. most U.S. buyers of metals' may be used by U.S. manufac-

e-consequently the concept on the LME are subject to sharp n exchange with its bid and and sudden day-to-day fluctuaactivity is foreign to them. tions and to the extreme swings that take place over a long period. This, they contend, is hardly a basis for orderly ven to-day with the greater development of metal resources

ers do not participate in ducer viewpoints is the attitude ers do not participate in ducer viewpoints is the attitude

1. What may compound that price fluctuations on the WEST GERMANY, as the account. The view of a number reluctance even more is LME are largely brought about world's third-largest buyer of of senior figures in the metals tension of LME warehousing ity futures trading commission industrial economic cycles. On to DM10bn last year, would find producers, to take the most designed to monitor the the other side there are prolife difficult if the London Metal important example, would still would be interested in having find it hard to deal with long.

American attitude is changing rapidly. For the most part, American metals executives

they can use it in their own hasing operations, remains and their thinking.

This generally is the attitude was actually a manipulation of produce some 170,000 tonnes, one uses U.S. metal consumers awkward for the U.S. Government to be putting its nose into those who are more finely tuned the European zinc industry, it in addition to using the LME the practice rapidly gaining the LME. The arguments can take action in the form of as a price setter, producers and acceptance under which a cus-

Pat Walker tions.

dige U.S. buyer pondering ing on the LME. These campaigns, spearheaded largely by Rudolf Wolff and Co., have helped to untangle the LME in encing the price they may an American executive's mind. It has, if nothing else, how the LME works, and they can use it in their own they can use it in their own the companies of the LME. This is the copper producers, because recently displayed in the mind pricing of the LME. This is the copper producers, because investigation last summer. The particularly true in the case of the rapid fluctuation in prices copper, where the Nordic countering a study of the European zinc producers to find out if their support of the in the case of zinc, of which the metal more vulnerable to substitutes.

This generally is the attitude was therefore, closely linked to the did not have the full support of pricing of the LME. This is the copper producers, because investigation last summer. The particularly true in the case of the rapid fluctuation in prices to copper, where the Nordic countering a study of the European zinc producers to find out if their support of the LME in 1976 Finland and Norway together was actually a manipulation of produce some 170,000 tonnes,

condly, Americans by their silver traded on the Comex so possibilities that do exist for centres on the use of sterling a nature are not a bartering that these metals have never them in using the London Metal for all LME quotations. This is that the merits of entered into the arguments should be a should be merits of evidence and the entered into the arguments. possibilities that do exist for centres on the use of sterling a small improvement over curther in using the London Metal for all LME quotations. This rent LME practice. ale. They are the type of about the merits of pricing and summers who walk into any ness establishment pay the e as listed. They are not trading on the LME.

They are not about the merits of pricing and about the merits of pricing and trading on the LME.

They are not about the merits of pricing and about the merits of pricing and trading on the LME.

They are not about the merits of pricing and about the merits of pricing and trading on the LME.

They are not about the merits of pricing and dealers, who have to cope with high costs are not covered by more U.S. involvement in what the sharp fluctuations in the the current LME copper prices. has already become a very pound as well as metal price would like to have a producer important market medium in the changes. Some Nordic dealers, who have to cope with high costs are not covered by more U.S. involvement in what the sharp fluctuations in the the current LME copper prices. has already become a very pound as well as metal price would like to have a producer important market medium in the changes. Some Nordic dealers, who have to cope with high costs are not covered by more U.S. involvement in what the sharp fluctuations in the current LME copper prices. has already become a very pound as well as metal price would like to have a producer important market medium in the changes. Some Nordic dealers, who have to cope with high costs are not covered by more U.S. involvement in what the sharp fluctuations in the current LME copper prices. has already become a very pound as well as metal price would like to have a producer important market medium in the changes. Some Nordic dealers, who have to cope with high costs are not covered by more U.S. involvement in what the sharp fluctuations in the current LME copper prices.

Editor, American Metal Market Both producers and

SCANDINAVIA

Further supporting their THE NORDIC countries are the sumers, while recognising that reluctance to become involved largest producers of non-ferrous the LME has decreased the Accompanying this increasing in the U.S. anti-trust laws which metals in Western Europe but the recession, express a yearnangos, backwardations, arbi- curiosity is a more active pubspot, prompt—and the licity campaign among trading
y of activity and discussion houses to inform the American
on the Exchange in fear that
trading within the area is, stand remarked that the LAE surrounds it leaves the business community about hedgesthey could fix prices. This trading within the area is, stance, remarked that the LME large U.S. buyer pondering ing on the LME. These came Government attitude was therefore, closely linked to the did not have the full support of the country produces.

the LME. Most noticeably, to the LME, the arguments have had a history of puring their metals directly ones that have existed through and silver were generally out its 100 year history, and silver were generally dant in the U.S. during its More precisely, the U.S. metal the European zinc industry, it In addition to using the LME the practice rapidly gaining the European zinc industry, it In addition to using the LME the practice rapidly gaining the producers and take action in the form of as a price setter, producers and societance under which a customing into the U.S. from these of its other facilities, in particusment, the interest charges on the financing involved. The method ident in the U.S. during its strial development, and the producers have ardently opposed ght of hedging against the pressures to base their prictages, political policies and ing on the free flow of the increases was just not entre mainly among the producers could a regular basis—a steady, The U.S. does not produce any ible, abundant source.

The producers of copper, lead and zincar a regular basis—a steady, The U.S. does not produce any ible, abundant source.

Someth U.S. from these of its other facilities, in particular the hedging instrument, the interest charges on the financing involved. The method this is used varies considerably was being used by some Brutish from one company to another.

Someth U.S. buyer of metals between the LME in general the Swedes operate to apply it. It should result in and its growing in the minds of American metals buyers as to possibilities that the u.S. buyer as to possibilities that the u.S. buyer of metals are advantage tomer buying forward for six other facilities, in particular the hedging instrument, the interest charges on the financing involved. The method this is used varies considerably was being used by some Brutish from one company to another.

In general varies to have advantage tomer buying forward for six the interest charges on the financing involved. The method this is used varies considerably was being used by some Brutish from one company to another.

In general the hedging instrument, the interest charges on the financing involved. The method this is used varies considerably was being used by some Brutish from one company to another.

In general the hedging instrument, the interest charges on the latter that the U.S. buyer of metals used varies considerably was being used by some Brutish from one company to another.

In general varies of the interest charges on the latter that the U.S. buyer of metals used varies considerably was being used by some Brutish from one company to another.

In general varies of the interest charges on the interest charges on the l

Swedish producers, whose should switch to dollar quota- conferences that at does not believe in CIPEC efforts to concon troi copper prices. The Swedes accept the need for free trade in metals and see no better alternative than the LME to the stock financing that would be required by a price control

NEXT PAGE



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Misgivings In spite of these misgivings,

to now?

question. Little

doubtless be to make better use

the LME on their own

Sweden and the Soviet Union.

the Bonn Government may find itself obliged for the sake of European Community politics expand the role of the LME to go along with at least a minimal compromise when the strengthening it in its present North-South Conference in Paris ones. In this connection, the finally gets down to serious disfinally gets down to serious dis-cussion of the commodities establishment of a futures con-custor of the commodities tract in aluminium would be achieved so far by a joint problems of agreeing on France-German committee set standard forms of specification up last summer to work out the and metal content could be basis of a joint EEC approach, settled. West Germans tend to

designed to monitor the the other side there are proity of exchanges, which inity implies that all may not roper in such operations.

The small percentage of the stability to their copper, tin and lead—are taken London could do a good deal the words of the sample. Would be interested in having would be interested in having the small percentage of the stability to their copper, tin and lead—are taken London could do a good deal the sample. Would be interested in having would be interested in having the stability in the sample. Would be interested in having the sample would be interested in having would be interested in having a warehouse within Scandininterested in having the sample would be interested in having a warehouse within Scandininterested in having the sample would be interested in having a warehouse within Scandininterested in having the sample would be interested in having a warehouse within Scandininterested in having the sample would be interested in having the sample would be inte

treatment from their suppliers currency fluctuations. The LME is thus an is developed in the political scene, especially in recession in the economy of the world's copper production in suppliers are because they want a new of solving some of these them to possible arbitrary actions, after adjustment for fluctuations. The LME is thus an beginning to re-evaluate their day, it coincides with the control, been more than normal fluctuations while also serving as as the direct basis of trans- to smooth excessively wild and the case of their direct days of trans- to smooth excessively wild and the case of fluctuations.

In West German eyes, the stream eyes, the stream eyes, the stream eyes, the stream eyes, the size of not favour either buyers of metals or their buyers of metals or their fluctuations.

Production and consumption fluctuations.

In West German eyes, the stream eyes of not favour either dorstep.

Production and consumption fluctuations.

In West German eyes, the stream eyes of not favour either dorstep.

While the LME is thus an inseparable part of the West all West German companies' between refined metals and beginning to re-evaluate their dorstep.

While the LME is thus an inseparable part of the West all West German companies' between refined metals and beginning to re-evaluate their dorstep.

While the LME is thus an inseparable part of the West all West German companies' between refined metals and beginning to re-evaluate their dorstep.

While the LME is thus an inseparable part of the West all West German companies' between refined metals and beginning to re-evaluate their dorstep.

Continued the conomy will be as placing a been more than normal However, it would be mislead philosophy of leaving such zinc, lead and copper from matters as pricing goods to the Eastern Europe, as well as for free play of market forces all domestic prices structures herever possible. It is a by fabricators (with the partial striking fact of life that no sig- exception of the German pronificant political grouping in ducers' price for zinc).

the country advocates any fun-damental change in this economic order. The "social market economy," as West Ger- Although exact

Although exact figures, or many call it, has proved itself even reliable estimates, are by making the country rich, impossible to come by, it seems keeping it relatively well insu-probable that West German lated from world recession, and industry is the largest single offering it every chance of con-consumer of physical metals tinued prosperity. Why tamper transactions through the LME with something that, for West in Europe. The Exchange itself Germans, has worked so well up has acknowledged this extremely large element in its Such is also the basis of the business with the location of West German approach to the four of its warehouses at Eurocurrent problems of the inter- pean ports convenient to the national economy, and in no West German market-Rottersphere has this been more dam, Bremen, Hamburg and clearly seen than in the debate Antwerp.

over the Third World's plans German connections with the for the strict regulation of trade LME are nearly as old as the in key raw materials. At the Exchange itself. Metallgeself-Nairobi meeting of the United schaft, the largest West German. Nations Conference on Trade company in the base metals and Development (UNCTAD industry, can trace its dealings IV) last year, Bonn came close back to the end of the past IV) last year, Bonn came close back to the end of the past to diplomatic isolation because of its refusal to contemplate the such grand designs as the UNCTAD Secretariat's intermited the property of the early users of the Exchange. Uncommodity fund or its grated commodity fund or its London subsidiary Metallgesell call for a "global solution" to the poorest countries' debt the LME—the first and so far burden.

In part, West Germany's atti-forman capital primarily behind it, in which the Japanese tude was—and still is—the hind it, in which the Japanese understandable hesitation of the company Nissho-Iwai has a 10

rich man who fears that the out- per cent, interest. rich man who fears that the outcome of other people's Metalligesellschaft's direct generously conceived plans would be to soak him. Much more important is the belief of the City's willingness to that regulation of trade would admit foreign participants into both tie up huge sums that could be better used and would as the metals merbed and could be better used and would as the metals merbed and could be better used. could be better used, and would as the metals market when it sooner or later cause distortions was introduced in 1971. As the of prices and production worse company sees it now, this direct than those it set out to cure participation is an indispensable Further. West German officials part of its self-protection as a point out that so far as this fabricator able to hedge, in country's trade pattern is concerned, the main beneficiaries of in the mechanism which sets the particular force of its return materials. cerned, the main beneficiaries of price of its raw materials.

artificially fixed raw materials So far the example has no

prices would not be the poorer been followed by either of the other two giants of the West industrialised countries which German metals sector. Preussag are also major minerals ex-in the lead and zinc markets porters, such as Canada, the porters, such as Canada, the U.S., Australia, South Africa, metals sector, although both companies are of course among the major customers of LME brokers. Looking further ahead, West

German companies would probably be in the front ranks of those who are seeking to into new fields as well as has been welcomed, if the technical If it were left to the West about the prospects of intro-German private sector to offer ducing contracts for any of the solutions, the advice to copper so called minor metals, in which producers in particular, would volumes are felt to be too low. be more dubious, however volumes are felt to be too low.

Adrian Dicks

It can sometimes pay dividends

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LONDON METAL EXCHANGE XVI

The main advantage of the LME to the metal fabricator, as W. R. Millership of BICC explains below, is its hedging facility, which enables the fabricator to avoid being exposed to extreme market conditions.

A fabricator's view

Most important of these bene- tion to his book. Most important of these benefits is the hedging facility. It should be made clear that Exchange as having a bottomin the LME also offers the facility in conducting these hedging less pocket. One hears much price movement, and the providing physical metal operations, the fabricator is not talk in UNCTAD circles about buyers and sellers can empty. non-ferrous requirements, is to movements. establish annual contracts,

that the consumers enter into monthly intervals throughout the year, and with this tonnage, the consumer is required to comply with certain pricing contonnage in one day, in one week and in one month.

Consumers

have an extremely sophisticated for the year in question. Even with the most expert forecasting systems, it is quite impossible to guarantee that the rate of ales will match the physical give the very necessary protecion which is required.

selling force in the field, producer to the customer, operating from the commence. It is at these times that

supply contracts, and there is a £500m.

CONTINUED FROM PREVIOUS PAGE

Boliden meets roughly half

Sweden's consumption of refined copper. In 1975 production was roughly 57,000 tonnes against a domestic consumption of 94,000

tonnes. Imports are around the 65,000-tonne level. Boliden imports about one-third of its

requirements of copper concentrate at prices based on the LME quotations. When refined metal stocks are high, it will sell on the LME, but like most Nordic metal producers it is reluctant

to indicate the extent of its

Gränges Metallverken, the main Swedish producer of

copper and brass semi-fabricates

(including aluminium products)

Outokumpu, the Finnish manufacturer, produced 60,000

tonnes of anode and 38,000

tonnes of cathode copper last

year, while the output of semi-

products from its Pori works rose to over 36,000 tonnes. It has very little direct involve-

ment with the LME although

hedges from time to time but

indirectly through its own

trading contacts rather than

Nokia, whose cable division

is the largest Finnish copper consumer, takes 15-20,000 tonnes a year. It receives part from

the Soviet Union, to which it

exports cables, but also buys through the LME. The quantity

imported this way varies con-

through the Ring dealers.

dealings with LME.

SCANDINAVIA

against fluctuations in prices By the same token, it is not in- The price of copper has held and supplies.

Fabricators are aware that and supplies.

Fabricators are aware that is impossible to prevent specific to prevent spec Over many years an increasing number of fabricators of whereby sales do not in any way of the LME that it can cope with no matter what difficulties p

whenever it is required. The indulging in any speculation, buffer stocks, but how many into the market at any time, normal practice existing bebut is only seeking to cover his people really appreciate that producers, for the greater volume of their way exposed to extreme market mous physical stocks, and has structions it receives from

annual contracts which means by he is forced to price fix mitments.

throughout Europe and Japan, the London Metal Exchange by a unanimous agreement, with and it is this facility which the Eastern European countries of and it is this facility which the Eastern European countries.

last decade when there has not electing to have the LME price what lethargic over, is been some sort of force majeure as the basis for its production, change towards a declaration by one or other of Other countries using LME cathode market. With the commitments which have been the primary producers largely prices include Australia, Spain, increasing changes in entered into. As a result, the because of natural disasters, South Africa and Bougainville, nology and the movement

ledge his positions, and thus give the very necessary protection which is required.

Many fabricators have their smooth flow of copper from the ling membership.

a fabricator can be faced with a financing, but warehousing, in. In this respect, the fabricaposition where his sales greatly surance on the metal to this tors appreciate the high stanexceed the pricing capabilities extent representing as it does, dards which are called for by which he has, through his something of the order of the London Metal Exchange.

real need to be assured that he At the moment there is a call

FOR COPPER fabricators is not exposed in any way, for stabilisation of the price of ket. They could assist throughout Europe and Japan, though he may be in imbalance, copper from various parts of the containing the volatility of a

usually made in October for the ciated is, that the producer con- as it does, a very considerable tracts can quite frequently put a service to both producer and International producers set up fabricator into a position where- fabricator alike. commitments for a firm tonnage to be delivered at regular tracts, even though he does not Influence have sales to cover these com-

> important London Metal Exchange pro-

The consumers go to a great out five countries. From these supply line can be disturbed.

ment of operations throughout fabricator can complement his concern to the LME to extend Knowledge any day, and obviously their stocks by calling upon the sole objective is to sell the materials from the LME ware-manual accordance is at the metals which are produced by houses.

domestic supply.

the London Metal Exchange pro- This would mean that it world, and the fabricator re-market thus encouraging may vides the vital "hedging" would be necessary to engage in quires stability as much as any consumption of copper over in facilities needed as protection purchase hedging on the LME, one else in the copper industry. long term,

and appear to regard the Metal market, which does not

never come under pressure or What is not generally appre- constraint of any kind, giving the supply/demand condition

The growing influence and acceptance by the world at large tentions expressed by this bol Hedging, therefore, is vitally of the LME is clearly illustrated. But it is going to be impossing to fabricators by the growing acceptance of for so many countries to rea

the decision by Poland, which no interest whatsoever in co Another advantage is that the is becoming a large international producer of copper, to Fabricators believe strong than the decision by Poland, which per large international producer of copper, to Fabricators believe strong than the control of the copper warehouses operating throughenter into supply contracts that there should not out five countries. From these based on the London Metal Ex. Government interference and the countries and the countries are considered to the countries. deal of trouble to establish their warehouses, fabricators can call change prices, while Russia, such matters, and that the tonnages and in many cases have up supplies in the event of the matter is also becoming another affairs of a "free" matter. tonnages and in many cases have up supplies in the event of the which is also becoming another affairs of a have an extremely sophisticated market research mechanism which will enable them to identify which will enable them to identify the market research mechanism which will enable them to identify the market research mechanism of the producer large supplier of copper, uses should be allowed to operate, which will enable them to identify the market producer large supplier of copper, uses should be allowed to operate, which will enable them to identify the market producer large supplier of copper, uses should be allowed to operate. which will enable them to idensurprising to note how often a Yugoslavia, and the new Middle of warehousing, one of the of Eastern producer, I cannot recall any year in the Cheshmeh Iran, will also be the LME may have been

entered into. As a result, the fabricator finds himself with the need to have a market through which he can safely hedge his positions, and thus the need to have a market through which he can safely hedge his positions, and thus the need to have a market through which he can safely hedge his positions, and thus the need to have a market through which he can safely hedge his positions, and thus the need to have a market through which he can safely hedge his positions, and thus the need to have a market through which he can safely head through the need to have a market through which he can safely head through the need to have a market through which he can safely head through the need to have a market through which he can safely head through the need to have a market through which he can safely head through the need to have a market through which he can safely head through the need to have a market through which he can safely head through the need to have a market through which he can safely through the need to have a market through which he can safely head through the need to have a market through which he can safely through the need to have a market through which he can safely through the need to have a market through which he can safely through the need to have a market through through the need to have a market through which he can safely through the need to have a market through through the need to have a market through through the need to have a market through through the need to have a market through the need to have a market through through the need to have a market through

Great attention is paid to the location itself, and to security arrangements. Weighing equipment must be of the highest last there is a less there is a standards, and also there is a maturity and in the last requirement to know the maturity and in the last amount of capital which the years has, at all times, modified amount of capital which the its arrangement in the light. warehousing company is able to

In the past, there has been One of the vehicles which to be metal is actually physically to bring about some the metal is actually physically about some the metal is actually about some the metal is actually about about a metal about a metal the metal is actually physically per consumption, because from year to year. the metal is actually physically Nordiska Kabel Og Traad, the Zinc production is concen-available in warehouses. This

there is little doubt that pro- results achieved overnight. How-

of little interest in this connection, as any surplus over domestic consumption goes to the company's German smelter. Boliden uses the LME to some extent for silver, as its refining capacity is larger than its making function is a fair way far taken place since June world price. It does ensure that copper is There is complete agreement marketed by producers without with the producers and consumption unfair competition, and equally sumers on all points. So the indications are that the producers are that the copper is the back on which the daily the back on which the daily is per at a fair price. capacity is larger than its per at a fair price.

William Dullforce would like to see producers be itself, clearly illustrates the in-

Fabricators are aware that non-ferrous metals throughout measure up to the commitments copper in these quantities and vail, or what operation may, is appreciate the benefits which he has entered into with hold it for as long as may be introduced, there will always the London Metal Exchange can need for hedging operations in the seems that some members of the industry ignore this fact, the LME is that it is a fill the seems that the left of the left parts of the world, reflecti

> What the fabricators do want to see is Governme interference no matter how w meaning the efforts of Unit are, and nobody doubts the There is evidence of this in cerned in Unctad simply h

Sar factors which fabricators

metals which are produced, be houses.

It should not be forgotten requirements for the car industry, the cable industry, or any other associated operation.

This means that in one day a fabricator can be faced with a position where his sales greatly and the LME ware moment, considering application, the existence of a moment, considering application. movement of copper across world, has been built up. I its operations in the light ! changing world conditions, and has met all consumers needs. One of the vehicles which it

much needed improvement it stabilising the price of copper main consumer, has its wire rods trated in Outokumpu (1975 out is scrutinised scrupulously, and is the International State produced by Elektrokoppar, the put 11,000 tonnes) and Det at all times, when stocks are Group, set up on the initiative of the metal is available. ASEA subsidiary in Helsing- Norske Zinkkompani (60,000 declared, the metal is available of the producers, and which tonnes) in Norway. Outokumpu in the forms indicated.

Very much welcomed and the consumers. Norske Zinkkompani (60,000 octaled, the media is a tallion of the producers, and which tennes) in Norway. Outokumpu in the forms indicated.

The fabricators main concern applauded by the consumers and operates tolling arrange—about the LME is that it is But they also realise that this. ments with Canadian and Peruvian partners. It sells no zinc making its daily prices, but something which will not see Sweden is a net lead exporter.
Boliden produces 40-50,000
tonnes a year but the LME is making function is a fair way far taken place since June of the little interest in this connect.

> the basis on which the daily More and more fabricators prices are established. This, in



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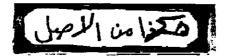


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CREATION of a directly ment from its own ranks. In when the devolution con- not introduced direct elections a handful of hard-line Gaullists Netherlands, where the Governd European Parliament deed, as now envisaged, it will troversy has swamped the legislation either, and that led by M. Michel Debré con-ment is expected to publish a sen one of the stated aims be given no specific powers be-parliamentary agenda and nowhere has it yet been put to tinue to oppose it, as do the Bill soon after next April's e EEC ever since it was youd the meagre ones invested sharpened political sensitivities the vote. But in almost every Communists. e new ever since it was young the meagre ones invested snarpened political tensitivities the vote. But in almost every communities.

The French Government has expected to be regional lists, ed nearly 20 years ago. It in the present 198-seat assembly, to questions of national case preparation is considerably. The French Government has expected to be regional lists, ed nearly 20 years ago. It in the present 198-seat assembly, to questions of national case preparation is considerably. The French Government has expected to be regional lists, while the Luxembourg Government is due to make its y of Rome, which envis- the power to sack the Commis- can only complicate the task Britain, and the practical details potential stumbling block by decision known when it the coverent variation to sion, though it has never been of steering a path around the of implementation have been considerably. the current parliament of sion, though it has never been of steering a path around the of implementation have been opting for a system of propory their parties merely as also adjust within defined limits the Labour Party. s for the new assembly and bers of the Commission and the Volving them in a formal act Council of Ministers to answer ear, their achievement was questions.

in and Denmark, where Late last year, the Commons that enthusiasm for the Select Committee concluded in

The assumption is that the n important, if belated, new Parliament will have to er in Community develop- draw its initial authority from the grass-roots of the European dedicated pro-Europeans, electorate. Historically, parliaagreement offers hope of ments have often succeeded in Belgium ing political momentum in creating their own power, and Denmark Community at a time when it is to be expected that a West Germany ... ther institutions are show- chamber of 410 full-time Euro- France signs of fatigue. It also MPs, each with a direct respon. Ireland ars to enjoy broad grass sibility to constituents, will Italy support: the latest opinion agitate more vigorously for a Luxembourg published by the EEC combigger role in running com-Netherlands ion finds that a majority of munity affairs than the present U.K. pean voters favour direct nominated assembly meeting for ions, even in countries like only five days or so a month.

Is to be on the wane, the property increases the property in the property is appears increased to delimit the continuing failure to early in the property in t

ne new Parliament will not hised that it is unfortunate that the Socialists are working moves charged with anything as the direct elections bill should. It is true that most other Chirac, has given his qualified ensure a reasonable representation of the central issue is whether the through the Confederation of effect ting as forming a Govern-have to be introduced in a year EEC Governments have so far approval to the scheme though tion of smaller parties. In the central issue is whether the through the Confederation of effect.

the current partialization and of the parliament may objections of a sizeable part of subjected to more intensive uonal representation using publishes of the Nine finally got budget or reject the budget alpartners is not unlimited, and only country where the fundational feared that a constituency has already disclosed the main to drawing up arrange together, and can summon member to drawing up arrange. y men parties meters about a quarter of the EEC. The patience of Britain's Furthermore, Britain is the pleased the Socialists, who In Ireland, the Government

The Directly Elected Assembly

SEATS AND POPULATIONS OF MEMBER COUNTRIES

3.90

19.76

19.76

19.76

1.46 6.1

81

COMMUNITY ...

Pop.

5.0m.

53.8m.

3.1m.

55.4m.

0.4m.

13,5m.

56.1m.

259.1m.

Seats Share %

Share % member

1.95

23.96

20.77

1.19

0.14

5.19

21.65

100

Source: European Commission.

discussion, national party lists. This has probably later this month. Pop. per tion at the European level.

harmonised 765,938 eventually be extend this system to the new its reservations.

system could easily be rigged thrust of its proposals, and it is prevent separatist movements chosen to divide the country should be divided into Socialist Parties of the EEC. in Brittany and other regions into four constituencies, with a from acquiring wider recognicipals transformally rote. They with Brussels as a separate are working on a joint Eurofrom acquiring wider recognisingle transferable vote. It has alesteral district member Though it is envisaged that other EEC countries resident on other EEC countries resident on the electoral system used for its soil be permitted to vote for the European Parliament should Irish Euro-candidates.

| Pean platform, though it will be platform, though it will probably be rather looser than the electoral system used for its soil be permitted to vote for the European Parliament should Irish Euro-candidates.

Percentage Swing Towards Birect Elections TWO OPINION POLLS MADE FOR THE COMMISSION

	September, 1973				November, 1976			
		Against	No.	Total	Far	Against	No com- ment	Total
Luxembourg Italy Germany Netherlands Belgium France Ireland U.K.* Denwark	67 74 69 62 52 51 45 33	14 18 31 49	21 24 19 22 84 31 24 18 21	100 100 100 100 100 100 100 100	77 76 74 69 69 63 57	9 . 8 . 19 . 11 . 9 . 13 . 14 . 22 . 37	14 15 14 15 22 18 23 21 21	100 100 100 100 100 100 100 100
COMMUNITY†	54		23	100	69	14	17	100

* 1973-Not including Northern Ireland.

† Weighted average.

Source: European Parliament.

The two Continental countries dual mandate suggests that Federation of Liberal and Demo-765,938 eventuary
The two Continental countries dual mandate suggests that red taken a factor of the Community, where legislation for direct most will not. It is widely cratic Parties last March. This parties 205.733 each country is free to choose elections faces the greatest unacknowledged that if their group embraces 13 parties 205.733 its own methods for the first set certainty are Denmark and Belactivities are to have any release the British Liberals of elections. 59,500 of elections. Five countries—
gium. The Danish Government vance to political problems in philosophy. The British Liberals
538,000 Belgium, Denmark. Italy, originally suggested that the the EEC, ways must be found in particular find many of their
692,049 Luxembourg, and the Nethercountry might be unable to take to enable them to retain links Continental colleagues, includlands—already use forms of lands—already use forms of part in the first elections with their national parliaments, ing the Giscardians, rather too based on party lists and will be unable to take to enable them to retain times continental contragics, including the contraction of party in the first elections with their national parliaments, in the Giscardians, rather too based on party lists and will be cause of constitutional difficulty of possibilities are conservative.

The members of those new contraction of the party in the first elections with their national parliaments. In the Giscardians, rather too based on party lists and will be cause of constitutional difficulty of possibilities are conservative. The members of those new contraction of the co Select Committee recommended political groupings will have the creation of a "Grand Com- to solve Thorny problem

elementing last year's EEC would be required to delimit amposition of a special substidy it is introduced. Much of the national basis, as the Govern-posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian Demo- of people in the EEC are eager posals of its own, leaving the so far by the Christian De elections shall not be held tions. There clearly is no hope common fisheries policy. The that direct elections would not ment has also published a bill, Prime Minister, would like a year to form the European test of the political will of the common fisheries policy. The that direct elections would not ment has also published a bill, Prime Minister, would like a year to form the European test of the political will of the common fisheries policy. The that direct elections would not ment has also published a bill, Prime Minister, would like a year to form the European test of the common fisheries policy. The that direct elections would not ment has also published a bill, Prime Minister, would like a year to form the European test of the common fisheries policy. The that direct elections would not ment has also published a bill, Prime Minister, would like a year to form the European test of the common fisheries policy. The that direct elections would not ment has also published a bill, Prime Minister, would like a year to form the European test of the common fisheries policy. The that Britain currently violate the French constitution, political opinion appears to single national list, which People's Party, a trans-national Nine to continue the development of the common fisheries policy. The that Britain currently violate the French constitution, political opinion appears to single national list, which People's Party, a trans-national Nine to common fisheries policy. The that Britain currently violate the French constitution, political opinion appears to single national list, which People's Party, a trans-national Nine to common fisheries policy. The that Britain currently violate the French constitution, political opinion appears to single national list, which People's Party, a trans-national Nine to common fisheries policy. ly to participate, Britain There is some sympathy in the last continue the developit to participate, Britain There is some sympathy in the continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the developit to participate, Britain There is some sympathy in the continue to continue the continue to other European capitals for the occupied the new Parliament rayour regional lists, inough for would give Detailing its near grouping committed to provided the new Parliament rayour regional lists, inough for would give Detailing pean federalism and presided test of that will now be the British Government. It is recognised that it is recognised that it is unfortunate that sharply into focus.

Gaullist leader, M. Jaques boundaries may be redrawn to ment. But this seems unlikely over by Mr. Tindemans.

Gaullist leader, M. Jaques boundaries may be redrawn to ment. But this seems unlikely over by Mr. Tindemans.

Gaullist leader, M. Jaques boundaries may be redrawn to ment. But this seems unlikely over by Mr. Tindemans.

in price which provides a fair tion should be possible. Whether goods are des. J. G. Sunley. The desired by sea or air or are Stocking Lane, lover the counter in London, Hughenden Valley, weastle or Dover, as the case High Wycombe. The best immaterial. What is Buckinghomshire. fortuitous however, is the il with which this immense enue from over-the-counter ling has been won. It is a ect reflection of the buying lity, the presentation, and the nmercial expertise of the disbutive trades in Britain.

Whether they are the very ge, the Marks and Spencers, rods, or great Oxford Street res, or whether they are the aller shops and boutiques they nonstrate the quality of a vice trade which employs it 1.8m. people in Britain, a de in which Britain to-day is

deed, keep it for a month and terms of money you will find has increased in "value"!

r the establishment of an ency for the immediate collec-m and recycling of waste? ich an agency employing "unprioved " would not need to ake a "profit" since it would creating wealth. istair Russell.
, Ravenscroft Avenue, N.W.11.

Insulation standards

rom The Director, mber Research and evelopment Association

Make people

gression?

Wealth

What incentive is there for an entrepreneur to risk his capital to offer employment and produce exports when he knows that the collects not fines, but feeld the collects not fines, but feeld when he actual £24.50 per week payable to a married couple.

I suggest therefore that it and the collects not fines, but feeld when the civil servant was underpaid to he to keep the civil servant was underpaid to he coil the

ich shrinks and expands daily, be tax free for example. They iereas recycled waste is wealth, even managed this in Russia last terms of money you will find bonuses tax free to peasants to has increased in "value"!

Are there no Members of most negative, dog-in-the-manger, chiament irrespective of page. rliament irrespective of party against the grain Socialist dogma epared to stand up and call has to be axed in hard times. Paul Yerbury.

P.O. Box 1632,

From Mr. P. Brooke

Composition of the Board

Sir,—By pointing out the exceptional process that Bullock exceptional process that bullock proposes for the appointment of full-time union officials to his "2x and y" boards, Mr. W. Pickering (February 12) only underlines the point that Bullock is in general assume to available them.

Peterhouse, Cambridge.

BR fees-not fines

o dount Mr. Benn will tell to be a more sensitive passengers and those to not worth while "cost." But the term is a function of currency, a yardstick be prosperous to increase over the booking office price. A brinks and expands daily, the fax free for available to the presence of class season ricket holders with the fax free for available to the prosperous to increase over the booking office price. A Britain's wealth? Bonuese could be fax free for available to the prosperous to increase over the booking office price. A Britain's wealth? Bonuese could be fax free for available to the prosperous to increase over the booking office price. A Britain's wealth? be tax free for example. They class season tieket notices wish. Civil Nervice National even managed this in Russia last excess at the booking office or year, paying 100 per cent, full fare on the train. In Weetman can assert from my bonuses tax free to peasants to get the harvests in. Even the information and take return seat the deduction made from

A. H. Scott. 162, Beeches Road,

Civil Service

Chelmsford, Essex.

w pound and that in some through building regulations can are not being taken in their and his department for much e orthodox ways of export- achieve energy savings. The interests. That is the perfect formula for perpetuating the fact that it would be supported formula for perpetuating the fact that it would be supported formula for perpetuating the civil servants and I also believe the comparability is made over the comparable the comparability is made over the comparable the comparability is made over the comparable the

The comparability must not only be fair but must seem fair and when it again gets to work (at the moment its activities are suspended) I submit and hope it will be reconstructed with an independent chairman and its prosperous

From Mr. P. Yerbury.

Sir,—Surely the ultimate absurdity of the progressive tet marginal taxes payable in the U.K. can be demonstated as a follows:—A married man earning a £4,000 per annum pays tax of of trying that it does not do it, attack, that is, over 10 times as much, namely £20,000 per annum, he pays £10.686.25 tax, that is, over 10 times as much tax. Is this not penal progression?

From Mr. A. Scott.

Sir,—I read Mr. Stern's wholly of civil servants but insemarks (February 11) about the Continental system of on-the spot fines for fare evasion and the ployed in the commercial world the continental system of on-the spot fines for fare evasion and the pensions (Increase) Act 1971 as should the value of the basic replied that it was not for want of trying that it does not do it, benefits provided under the civil service principal pension scheme U.K. say that they alone can with only a maximum abatement but failed.

I suggest therefore that it or a married couple. membership should not consist

From The Secretary General, Civil Service National

Weetman can assert from my and sleeper reservations. Indicaand sleeper reservations. Indication would be given of the clerk's presence. London Transport would keep its barriers, but port would keep its barriers, but degree of inequity in the prac-charge the fees for surcharging tice of making current civil en route.

We must not be uncharitable of the increases paid to their and station managers would be able to authorise a refund of all ment made is the full sum, but 50p of fees charged in actuarially assessed. How else would any scheme to the full sum, actuarially assessed. How else would any scheme to the full sum actuarially assessed. would any scheme assess a con-tribution rate that a private individual would have to make taking into account the differ-ence in the benefits between the Civil Service scheme and

I did not attempt to give a full explanation of the way in which the Government Actuary Sir.—I should like to support general anxious to exclude them.

It. W. Baldwin (February 11) Surely he doesn't want it to be his plea for improved insulation standards in dwellings; this stances for full-time officials to a subject which TRADA has sit on the board (in the way in brought to the attention of the appropriate authorities—cluded from sitting in Parliation of the Civil Servants including the advantages enjoyed by the the Government Actuary made his assessment. I simply wished to make clear that what he assesses is the difference in value between the Civil Service and the outside schemes after a full deduction has been made for the Civil Servants including of the Civil Servants including the advantages enjoyed by the clear that what he assesses is the difference in value between the Civil Service and the outside schemes after a full deduction has been made for the civil Servants including the divident benefits.

The U-value of 0.6 which Mr.

As for parity of worker and the dividence of the Civil Servants including the advantages enjoyed by the shareholder appointed directors Pensions (Increase) Act 1971

As for parity of worker and the davantages enjoyed by no (repeat London, S.W.L.

The standing life, and the standing has been been supported to the territorial construction of the territorial construction of

Kubota is down-to-earth about the answer to man's growing need for food. Our tractors are hard at work all over the

world - bringing compact power into every crop from paddy fields to vineyards. They're built all over the world too, by joint companies using Kubota technology and local labour - in Brazil, Iran, Indonesia, Malaysia and Taiwan.

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COMPANY NEWS + COMMENT

Bath & Portland jumps to £3.25m.

ment of the construction in-dustry, second half profits of the panded from £1.31m. to £2.17m.. pushing the total for the year ended October 31, 1976 up to a record £3.25m., compared with £2.09m, for 1974-75.

And although prospects for the current year must be over-shadowed by the same conditions the directors foresee the growth in profits continuing.

A divisional analysis of profits before interest—55.19m. (£3.17m.) -shows that building and civil engineering contributed the largest increase, rising from £1.05m. to £2.53m. Minerals and engineering were both ahead at 19.94m. (20.5m.) and 10.87m. (20.5m.) 19.94m. (20.5m.) and 19.87m. (20.5m.) respectively, while the Haggas (John) agricultural side showed a downturn from \$1.02m. to \$0.87m.

2.855n to 2.898p net, with a final dividend cover is nearly doubled, of 1.648p. At 3ap the shares yield 11.7 per

2.635n to 2.898p net, with a final divide of 1.648p.

The directors explain that the deferred tax provision at October 31, 1975, has been reviewed in the light of the decision of the Accounting Standards Committee to suspend the operative date of SSAP 11 and that payment of amounts previously provided will not fall due in the foreseeable future.

reduction in the deferred tax, account of £4.12m, at October 31.

•		1977-76	19,4-75
•		•	Ξ
		66.6.34.0AN	54.14S.000
	Trudir : profit	6.548.406	4,481,737
•	Peprociation	1 767 248	1.305.478
•	Interest		1,983,777
•	Pre-tax profit	3,253,498	2,069,568
	Turation	661.217	-
	Net profit	2.391.357	2.089,568
	Profit property disposal.	641.96	-
	fieb, redemption surplus	71 H4	_
	Minority loss	_	1.:140
	Tax whiten back .	4.117.641	3 934 376
	1. nappropriated .	9 902 241	6 946,425
:	Assets per share	at th	e Tear

Bath and Portland Group has emerged from 1976 in a better than expected shape, given the late payment problems it faces on its huge Iranian road project and the cutback in its U.K. civil engineering order book. Pre-tax prolits are 55 per cent, ahead on a 25 per cent, growth in turnover.

INDEX TO COMPANY HIGHLIGHTS							
Co	Page	Col.	Co.	Page	Ca		
Aaronson Bros.	33	4	Hazlewoods	34			
Bath & Portland	32	1	Investors Capital	33			
Cable Trust	33	6	Macpherson (Donald)	33			
Canning (W.)	32	4	Meldrum Investment	33			
Christian Salveson	34	6	Morris (Herbert)	32	_ 7		
Dixon (David)	32	6	Prudentjal	34	_ 8		
Evode Holdings	33	3	Ramar Textiles	33	3		
General Consolidated	32	3	Simons	34	5		
Cumbon life	24 :		Summor (O. C.)	32	<u>-</u> .		

and the new chemicals interest incurred a loss of £23,000. There is a tax charge this time of £662,213 and 16 the net profit in interest charges of £0.85m of £662,213 and 16 the net profit in interest charges of £0.85m order intake shows a rise in fall in pre-interest profits. A rise of £662,213 and 16 the net profit in interest charges of £0.85m order intake shows a rise in footor the reflects the heavy rise in borrow in the cover the late payments of £665,000 orders.

The company is a manufacturer and fabricator of fused quarty in the current year looks on the lran project. But Bath and portable shice and high-temperature refered tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of previous years of £4.12m deferred tax in respect of the late payments and fabricator of fused quarty.

Comment

Comment

**The company is a manufacturer and fabricator of fused quarty.

**In company is a manufacturer and fabricator of fused quarty.

**In company is a manufacturer and fabricator of fused quarty.

**In company is a manufacturer and fabricator of fused quarty.

**In company is a manufacturer and fabricator of fused quarty.

**In company is a manufacturer.

**In company is a manufact Earnings nor 25p share are year's figure of around 100 per stated at 17.65n against 14.22n, cent to 54 per cent, and the sub-The dividend total is raised from normal tax charge means that the

Upsurge at **Thermal Syndicate**

		1711-1-10	1214-1-1	ric-fay itienns	VI 1	コモいてにる」	
5		1000	71100	Consolidated Inves	torene	Trust	
	Turnover	8,904	6,935				
	Proder arefu	1,629	-	rose £135.792 to £990	J. 84 7 TC)F 1910.	
•	Tro-park prosts	4,007	754	The net figure w	un	farm	
•	T7X	725	717	the net lighte w	as up	11.0111	
	Pre-tax prefit	564	(25	£515.627 to £606,672.	after	tas of	
d	Dividencs	330	134	£384,273 against £33	9 526	-	
	Relassed	.i44	304				
u					1974	197.5	
x	He says that the	comma	เกร เร		<u>1</u>	5	
				Gross reveaue 1	155.947	1.045 2:1	
"	in better shape now	(nan :	ic any	111 (P	830.0:1		
-	time in its history a	met the	at tha	Frankey utes, and fut.		569.203	
-	time in its history, a	1151 (116	at the	Unitanfed	496.911	475.013	
! -	company is improving	: its mo	arkei-	Anmin, expenses	38.016	54,183	
			-1-:11-	Perturban		4-10-0	

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Around half of the Il.2m, im-company is improving its market-provement in pre-tax profits has ing and general commercial skills provement in pre-tax profits has ing and general commercial skills increat revenue from overseas, with Nigeria, and manufacturing processes. He Pre-tax revenue frag and fram all contributing, adds that it has competitive profits on the civil duets and ideas for further Preference distancement side have risen by improvement and its liquidity Available and per cent, and the minerals position is satisfactory. In spite Ordinary distances is up by 89 per cent. The of the uncertain economic outlook. Retained that the Stated day where poor demand. for fertilisers, growth of the group will continue improved to 3.24p (2.83p) and a Uctober 31, 1976.

At the year end the net asset value per share was \$7.5p (80.7p) fully diluted.

Progress for W. Canning

final dividend of 2.1p net (1.5p) lifts the total for the year to \$10 (2.5p).

THE UPTURN in profits for the first six months of 1976 was maintained during the second half, for electrical and mechanical engineers, W. Canning, leading in a pre-lax profit of £1,244,000 for the year, against £954,000. Profit after six months was £605,000, compared with £495,300.

The 10p rise in Thermal Syndi-cate's share price over the past two days had more to do with the 140 per cent. dividend increase Unless there is a down-turn in the economic situation, the company expects further growth this

140 per cent. dividend increase made possible by International Combustion's unsuccessful bid than with the profit figures. However, a 78 per cent. increase in profits certainly gave the shares support. Although a full fifth of the profits came from the volatile consultancy side. There were doubled profits (£1.3m.) from the main trading divisions, fused quartz and magnesia products. With the costly Brazilian quartz maximum permitted, against 2.87p. Evode Curren payment and existing overdraft facilities. Earnings were up by 1 lp to 5.49 per 25p share and a final Cable Trust 3.1 met dividend of 2.717p (2.43p) W. Canning 2.72 makes the total, 3.157p. the David Dixon & Son int 0.88 supplies now replaced by

supplies now replaced by apparently stable Angolan as well • Comment

This review has resulted in a reduction in the deferred tax account of £4.12m at October 31, 1975, and the comparative flaures have been appropriately adjusted. Of the charge for the year £571,493 has been corried to deferred tax account. The proctous basis, which has been reviewed, would have given a total charge for the year of £1.66m, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 1/million for the year ending. October 31, 1976, against £10.000 Donald Macpherson Meldrum Trust 1.13 Herbert Morris Simons & Co. PRE-TAX profit improved by 2285,000 to 51,487,000 for worsted spinners John Haggas in the half year ended December 31, 1976. Sales advanced from £7,78m. to

(£625,000) leaving the net balance at 5714,000 (£377,000).

at £14,000 (£37,000).

The spinning division made a further substantial increase in profits during the first half. Better margins on export sales, improved quality of raw materials, and higher productivity due to selective investments contributed to this say the directors. o this, say the directors.
It was a difficult half-year for home market. Cut-throat competi-

General Consolidated ...

J. Haggas

expands

Romney Trust

ion persists, and a general lack of demand has made it very diffi-cult to offset considerably higher crease, but the outlook is good, and the new factory will commence production at the end of February. Substantial new orders have already been received for this factory, they state.

The current market value of the company's holdings in Govern-ment stock is about 17m.

the new factory is operational the factory premises are being the factory premises are being still a problem and profits there have fallen by 35 per cent. Of the debt of £710.025 owed by exports have not been easily Bank Bridge are continuing but obtained partly because the since the last AGM Bank Bridge quality of material made for the bas accepted firstly that interests. it would take overseas. Overall Haggas has produced a remarkably consistent record in recent years, while other textile companies have been struggling. But the shares are up at the 325p level primarily because of hopes that a way will because of nopes that a way with be found to repay the £7m, worth of gilts (290p per share) to share. Competition from imports, and holders. The maximum yield is surplus capacity have made for a discontinuous performance by Statement Page 35

Summers £0.42m. deficit

Sir Kenneth Selby, chairman of Bath and Portland.

DIVIDENDS ANNOUNCED

Date

Apr. 2

April 6

April 1 Mar. 28

Corre-

Turnover for the six months was £4.11m. (£4.52m). There is a tax credit of £76.000 (charge £80.000), leaving a loss of £359.000 (£65.000 profit).

The halfway loss includes a trading loss of about £125,000 following and a terminal loss on realisation of assets of about £142.000 following attributable to Envit the dispussion of which has eliminated a control of which has eliminated a control of the control of

Downturn at

Dixon and Son Holdings with a fall of £28,000 to £38,000 for the six months to October 2, 1976. This followed on a second half loss in 1975-76 of £38,000 against

a profit of £90,000.
The directors state that since September trading conditions have improved significantly and the order books are very healthy. The present indications are that March 31, 1976. First half earnings per 23p share are shown to be lower at

An analysis of profit and sales share are shown to be lower at for the first six months shows, in 2p (2.64p) and the interim division: spinning £1.121 (£743) and dend is held at 0.875p net. Last £5.253 (£4.457): knitting £182 year payments totalled 2.3722p. (£280) and £2.357 (£1.876): fur After tax for the half year of fabric £184 (£179) and £1.669 £48.000 (£63.000) the net balance came out at £45.000 (£83.001). Sales were up £0.42m. at £4.01m. The company recently sold the Martins factory for £175.000 Raggas continues to make the which shows a substantial profit running with a 51 per cent. over book value, say the direction of last year's profits, while the fur fabric side has now A. G. Minard and Sons has been cut out a good section of the cosed down as part of the market and should do well once rationalisation programme and

obtained party because the since the last Addit bath interest domestic market is generally has accrued on the full amount declared by David Dixon since that date and until the debt is

dismal trading performance by David Dixon in recent years and the six months to last October were no exception. But prospects three times the tevel of last year. the wool cloth side has revived because fashion has partially returned to checks; and exports have increased. The benefit may A TURNROUND from a pre-tax not come through until the first profit of £145,000 to a loss of six months figures of the next £415,000 is disclosed by civil financial year, but meanwhile engineers O. C. Summers (Hold-pre-tax profits could approachings) for the first half of 1976. £200,000 this year for earnings per share of 1.75. The meanwhile profits approach the first half of 1976. share of 4.3p. The current share In September the directors esti- purchase of a 16 per cent, stake mated a first-half trading loss of by Mr. Malcolm Horsman, one of £190,000, including a non-recurring several stakeholders. At 38p the loss in respect of Engit of £80,000, shares do not look attractive on They hoped for an improvement trading grounds, but not assets in the second half.

For the first six months the loss ing possible repayment of the per 25p share was 9.552p (earn. Bank Bridge debt and underings 3.176p). There is no interim valuation by 20.4m. (19.5p per dividend compared with 1.5p net share) or more of the properties. last time—dividend total for 1975. The maximum yield is 10.8 per cent.

ISSUE NEWS

Bamfords £0.72m. 1 for 2 rights

Bamfords, the agricultural tributors of agricultural machinery group, is proposing a in Europe and it is 245 \$720,000 rights issue which is increasing proportion of Bilkely to pass the control of the output. empany over to Fredk. It. As it seems likely the Burgess. The rights issue is on rights issue will result by the basis of one-for-two at a price ford becoming a subdet of 30p a share against a market Burgess, the former has a spin of the price of the former has a share against a market Burgess, the former has a spin of the price of the former has a spin of the price of the former has a spin of the price of the former has a spin of the former

rise to 47 per cent. or perhaps prises of re-equipment of a file per cent. depending on the tous and new electric for level of acceptances from other plus two new warehouses.

Burgess.
There already is a trading link The annual meeting a between the two companies, for for Friday, March 4.
Burgess is one of the largest dis-

price last night of 32p.

The issue has been underwritten by Burgess, which connanagement, divident politics an effective 41 per cent, of the maintenance of Rubert Ramford capital, and because terrain members of the Ramford family will not be taking up their rights (they hold 20 per cent, of capital expenditure properties to 47 per cent, or perhaps prices of recomment of sections amounting to \$11.7m. which is to 47 per cent, or perhaps prices of recomment of sections.

shareholders.
Though Bamfords had looked
at other methods of raising the the report and accounts in the company's that for the first three man advisers (Hambros) indicated the the current year sales have on top of an equity base in the comparable increase on top of an equity base in the comparable period, and the accounts of just film. and the pany has also obtained a problems of getting it underwritten by anybody else but to the Middle East worth a Burgess. canicen.

Yearlings at 12½%

The coupon rate on this week's City of Nottingham is batch of local authority yearling bonds has risen from 11; per cent, at par to 12; per cent, issued at £99; The bonds are due on February 22, 1978.

This week's issues are:—
London Borough of Enfield (£1m.), Buckingham Council (£1m.), Islwyn Borough Council Solthull (£1m.), Endon Borough (£1m.), London Borough of Barnet (£1m.), Chesti (£1m.), Tunbridge Wells Borough of Barnet (£1m.), Chesti (£1m.), London Borough of Barnet (£1m.), Chesti (£1m.), Luton Borough (£1m.), Lanark District Council (£1m.), Luton Borough (£1m.), Lanark District Council (£1m.), Lichfield (£1m.), City of Southam District Council (£1m.), Lichfield (£1m.), Chy of Southam District Council (£1m.), Lichfield (£1m.), Chy of Southam District Council (£1m.), Lichfield (£1m.), Chy of Southam District Council (£1m.), Mansfeld eil (£1m.), Chymire Council (£1m.), Mansfeld eil (£1m.), Middlesham Chymire Council (£1m.), Mansfeld eil (£1m.), Middlesham Chymire Council (£1m.), Macclesfield Borough (£1m.), South Hyrefords (£1m.), Macclesfield Borough of District Council (£1m.), Lordon and Lauderdale District Council (£1m.), (£1m.), (£1m.), (£1m.)

Statement Page 33

ARCHIMEDES

INVESTMENTS

Negotiations are taking place that the Lik. and buoyant oversets. The directors anticipate that similar conditions will prevail in the second half and, on this assumption, they expect to say 382.33

Statement Page 33

ARCHIMEDES

INVESTMENTS

Negotiations are taking place that was depressed in the U.K. and buoyant oversets. The directors anticipate that similar conditions will prevail provide secretarial and investing and terminal losses of Envit bas been taken.

Sales advanced from £7.78m. to State and the year end were market is signalling that the company will up its bid: In the company will up its bid: In the company will up its bid: In the company will prevail that the period of trading that was depressed in the U.K. and buoyant oversets. The directors anticipate that similar conditions will prevail provide secretarial and investing and terminal losses of Envit bas been taken.

The company siftened from a general cutback in Government a slow down in world-wide invest on the use period of trading that was depressed in the U.K. and buoyant oversets. The directors anticipate that the full provide secretarial and investing and terminal losses of Envit bas been taken.

The company siftered from a general cutback in Government a slow down in world-wide invest up 7n. which is way above ment. However, further profit backs and shares closed last night at the period of the current will prevail prev

Romney Trust

THE DECLINE in taxable profit the 87 per cent. jump in pre-tax struck after tax of the scontinued at woollen cloth profits from Herbert Morris. (£398,428). At year end not and hosiery manufacturers David because the group had afready value per share was up at Dixon and Son Holdings with a forecast as much last December (\$98.5p), or 111.1p (\$8.5p) in defiance against the bid from diluted.

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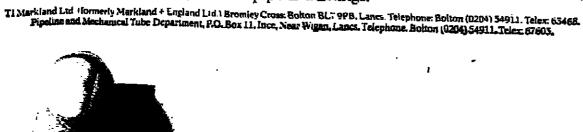


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فتكفأمن الرصل

The Financial times Wednesday February 16 1977 **Overseas profits boost**

Macpherson to £2.7m.

the din September, for one th, in respect of which sales unted to 50.86m, and profit Trading profit to 50.86m, (52.01m.). unted to £40.08m. (£32.01m.). Prefix before to the open a full fazzation is contribution from Unersease in profits a further increase in profits attributable earnings per share is experience of the directors. For Extraordinary to March 21, 1976 There Goodwill:

BLED profits from overseas tribution coming from exchange fact that following the Unerman NOW THAT the largest prosteriors and export successes gains. Companies in Malaysia, acquisition gearing must have gramme of expansion over understance taken by Aaronson Bros. has been taken by Aaronson Bros. has been to perhaps 60 per cent, the completed at a cost of more than record £2,76m, for the 53 record results.

The following companies have notified account for more than 70 per complete fat at cost of more than 50 per cent, the completed at a cost of more than 50 per cent, the completed at a cost of more than 50 per cent, the completed at a cost of more than 50 per cent, the completed at a cost of more than 50 per cent, the completed at a cost of more than 50 per cent, the completed at a cost of more than 50 per cent, the completed at a cost of more than 50 per cent, the completed at a cost of more than 50 per cent, the completed at a cost of more than 50 per cent, the completed at a cost of more than 50 per cent, the completed benefits of the cost producted benefits of the

40,984 \$2,008 31,815 \$5,694 1,530 \$35 5,789 4,779 2,251 2,051 364 298 141 219 2,754 1,554 1,509 \$71 1,247 \$83 1,229 500 313 275

RECENT ISSUES

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FIXED INTEREST STOCKS

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"RIGHTS" OFFERS

A thount	Latest Heneric Dates	1975/77 Righ Low	Stook	Closing Price + or
.75 nil	15/8 29/8 12,1 9/2 5/12 17/18	47u 396 140 Les 21 ₂ I	ANZ SQUEEN Hill Props Sther Ind'i Kinndsraid, National State of Australes Weeks Asso Weeks Asso	29 39518 128 200 18 5pm

Evode to

8 BETTER pre-tax profit of £1.45m., 43 a record, against £1.21m.. is dis-



** further increase in promise earnings per share is exceeded.

**exceedings per share is exceeded.

**exceedings was 1.284

**shes were 82.7m and profits and in the content of the state the current rating of the shares at 32p where the yield is 6.0 per cent. and the p/e is 5.9.

Ramar reaches £0.13m. after six months

Turnover at Ramar Textiles increased from £2.77m. to £3.55m. in the half year to October 31, 1976 and profit improved from £74,202 to £134,800 subject to tax of £70,096, compared with £39,795. The directors report that yearend results should be consider-ably better than last year's

Statement Page 35

BIDS AND DEALS

These, together with some

expired on February 4, 1977, amount to about 48 per cent of

with respect to the current offer will also expire at that time.

to Aaronson Bros.

Advance for the year ended September 30, 1976 pre-tax profit improved from £1.82m. to £2.36m. after being up from £0.9m. to £1.14m. at halfway.

And the first few months of the current year already show a substantial increase in profits over the previous comparable period. Subject to unforeseen circumstances the group should continue its growth and report a further material increase this year, the directors add.

Meanwhit

To-DAY

•	#.000 Stud national	шu,	WUUU
Ì	veneers and chipboard	i.	
5		1975-76	
3		9969	5999
	Gram sales	21.570	17.766
•	Trading profit	2.338	
7	Share assoc.	21	
		2.399	1,220
	Profit before tex	*88	1116
	Tax credit		
_	Net profit	2,439	1,184
2	Minority holders	218	111
	Attributable	2,221	
	Extraordinary deblust	377	229
	Preference dividends	130	130
-	Ordinary	343	315
-			
-	Arises from over provisi	00 10 1	EGA 1000
_	years, t Charge, ! Arisi	: 511051	SUCION
	from closure and relocation	et pre	duction

profits from Aaronson Bros. fully lives up to outside estimates, iives up to outside estimates, with chipboard production becoming more competitive against ordinary wood. Despite setbacks in housebuilding, Aaronson has held its position (a 22 per cent. sales increase) with The policy objectives published yesterday for Investors Capital trust were historical. They were demand from the DIY market holding up very well and sales and the review period to Novemto the furniture market at surprisingly high levels considering year of operations under the new the background of poor consumer spending. Undoubtedly the company's own rationalisation programme has been instrumental method dividend total is 1.2p net in improving the margins with some £5m. of capital expenditure the previous year.

In improving the margins with some £5m. of capital expenditure the previous year.

Mr. John Chlene, chairman, tells members in his annual statement tility—more than doubled since year is expected to rise apprelast October—has reflected concluding and to allow the possibility

More Milgo shares for Racal Racel Electronics announces of the following shares in the W. and P. have acquired the that pursuant to its current offer company: 425,830 capital shares, fixed assets and stocks less for Milgo Electronic Corporation, 129,063 income shares and 53,229 related liabilities from Progress

STAVELEY/GEORGE

proceed with its plan to acquire a controlling interest in P-E international, the U.K. manage

ASSOCIATE DEALS

NO PROBES

SALTER

for Milgo Electronic Corporation, 129,063 income shares and 53,229 related liabilities from Progress of \$36 a share, it has been advised Preference shares on January 27, and the heritable property from that about 50,000 shares have been its parent company Bisset Invest-

SMURFIT PAYING
£3.2M. FOR REST
OF TIME INDS.
Jefferson Smurfit, the Irish for the year to January 31, 1976 packaging, printing and distribution group, is to acquire the output of the year to January 31, 1976 were £2,125. An improvement in the profits has taken place since and the profits has taken 773,000 shares which Racal pur-chased pursuant to its offer which Milgo's outstanding common stock based on 1,176,595 shares outstandstanding 49 per cent. of Time it is expected that the acquisition industries Inc. of Chicago for a will enhance the W and P cash total consideration of \$5.5m, and carry operations in Scotland. ing as of February 9 last.
Racal's current offer is scheduled to expire on February 16 at 10.00 a.m. New York City time unless extended. Withdrawal rights

Time, which makes plastic and corrugated containers, showed a 27 per cent, increase in turnover estimated that pre-tax profits Staveley Industries in respect of were \$3.2m.—up 33 per cent on its offer for George Suffer totalled \$8.2 per cent of the previous year.

The consideration accepted for Ordinary and 91.3 per cent of the the outstanding shares tanged from \$8 to \$9 cash a share; part wholly inconditional and statement of the wholly inconditional and statement. Applied Digital Data Systems Inc. last announced that \$03,000 Milgo shares had been tendered

the outstanding shares ranged Preference. The offer has become from \$8 to \$9 cash a share; part wholly unconditional and remains of the consideration is to be paid over five years at approximately interest of 27 per cent.

Energy Finance and General Trust has been advised that Time from 48 to \$1 per cent. Last Edward Bates and Sons (Holdings) and its subsidiaries disposed

MFRITIONAL

Ordinary and 913 per cent. of the Preference. The offer has become wholly unconditional and remains open until further notice.

SMC/PE TALKS OFF
Science Management Corporation, the U.S. group, is not to proceed with its plan to acquire

MERU/JOHN MADDOCK

ment consulting group. A state Meru Group is to acquire 51 ment issued yesterday said that per cent. of the Ordinary shares the preliminary discussions of pottery manufacturers John between the two groups had been abtained an option to acquire the

balance.

The consideration will be satisfied by allotment of 200,000 Meru shares. The balance may be acquired under an option exercisable by April 30, 1980, for a total consideration equal to the greater of £100,000 and 49 per Bolivia Railway Co.: Ashdown investment of three and a half times the pre-tax profit of Maddock for the accounting year last completed before the exercise of the option. Meru will also offer for the Preference shares if the programme planned by Meru for the creation of an Anglo-American portery group with manufacturing capacity on both sides of the Net assets of Maddock at \$585,000 (21 per cent.) and by January 31, 1976, were about Remand Co.: Argo Group; Deltec Salter and Co.; Argo Group; Deltec Mulliams Hudson Group; Deltec and Co. with LET International and Trust Co. with LET International and Trust and The Antofagasta (Chili) and Bolivia Railway Co.: Ashdown Investment Trust and Telephone and General Investment Trust and Telephone and General Investment Trust and Telephone and General Investment Trust will not be referred to the Monopolies Commission.

The acquisition is part of the UNOCHROME Unochrome International has been notified by Jorehaut Holding to shares increasing its holding to \$5,850,000 (21 per cent.) and by January 31, 1976, were about Remard Owens and Partners of \$7,240,000 but lesses of shares for the surprises of the strength of the programme planned by Meru for the creation of an Anglo-American portery group with manufacturing capacity on both sides of the languary and partners of \$5,850,000 (21 per cent.) and by January 31, 1976, were about Remard Owens and Partners of \$7,900 but lesses of shares for the creation of the programme planned by Meru for the creation of an Anglo-American portery group with manufacturing capacity on both sides of the creation of the programme planned by Meru for the creation of an Anglo-American portery group with manufacturing the creation of the programme planned by Meru for the creation of the programme planned by Meru for the creatio

January 31, 1976, were about Bernard Owens and Partners of £240,000 but losses of about £55,000 the purchase of \$5,000 shares in-### PAGE OF THE PROPERTY OF THE PROPERTY OF SALES APPROVED BY Mr. and Mrs. B. C. Owens to 710,000 (4 per cent.). Mr. Bernard Owens is charman and managing

ENGINEERING
Stmon Food Engineering Group
has purchased the drawings, designs, stocks and work in progress of J. W. Greer, which went into voluntary liquidation in July
into voluntary liquidation is an extension of Plantation of The completion is an extension of Plantation of The completion is an extension of Completion Numerical of Unochrome. Imhof Bedco, the light engineering division of Plantation Boldings, has acquired, from prvate interests, the whole of the 1976. The acquisition is an extencapital of Cranleone, Nuneaton, sion of Simon Engineering's bustprecision engineers, metal fabri-cators and toolmakers, for ness in the bakery and confec-tionery machinery sector in which it has been active for many years through Simon-Vicars.

A new company, Simon-Greer.

A new company, Simon-Greer has been formed with its HQ at Earlestown, Merseyside.

WATSON & PHILIP ACQUISITION

Watson and Philip, the Scottish food distributors, have acquired, with effect from February 14, 1977, the cash and carry trading operation previously carried out at Clydebank by Progress Cash 450 for a director of Beaver Group.

24% rise

at Cable **Trust**

Investments benefits come

Statement Page 36

Net revenue of Meldrum Investment Trust for 1976 rose slightly from 5324,656 to £359,095. after tax of £216,938 agains £194,870.

Earnings per 25p share are shown as 1.78p (1.61p), and the final dividend of 1.125p net lifts the total from 1.5p to 1.65p.

Net asset value per share is 42.3p (45p).

Investors

Increase at Meldrum

Trust

ther material increase this year, the directors add.

Meanwhile further capital expenditure projects are still being examined and undertaken.

In previous years full provision has been made for the contineent.

In previous years full provision has been made for the contineent.

In the directors add.

In previous years full provision the statement of the contineent of the contineent.

In previous years full provision the statement of the contineent of the con Mar. 3 sum of 2013/209 (180,823) was Feb. 23 added to reserves. Feb. 25 The dividend is stepped up Feb. 21 from 4.6p to 3.7p net per 25p Feb. 27 shore with a final of 3.7p, from Feb. 27 stated earnings of 6.478p (5.217p) Feb. 25 basic or 6.536p (5.133p) fully Hoover Feb. 34
Lamend Industries Feb. 35
Provident Financial Feb. 27
River and Mercantile Trust Feb. 17
River Plate and General law. Ts. Feb. 17
Vosper. Thoruscrat Feb. 23
Woodhouse and Rixson Feb. 23

diluted.
Net asset value per share a the year end was 158.25n (162.625p), and allowing for full conversion of Loan stock, 156.875p (160.625p).

tinual bid rumours rather than trading prospects. The shares are not particularly attractive on their own merits at 55p with a their own merits at 55p with a p/e of 117 fully taxed, or 5.2 on ARTAGEN PROPS. Holders of Artagen Properties per cent. debenture stock 1980

85 and 64 per cent unsecuted loan stock 2003/2008 have approved repayment of the stocks



Overall market share again increased

in his circulated statement to shareholders, Mr. W. G. Hanson (Chairman) mede the following points:—

- Turnover is up from £6.7m to £8.2m and Profit before taxation and extraordinary items from just under £1.3m to just
- Sales by volume of our own brewings show a slightly larger percentage increase than those for the country as a whole. A large increase in lager sales resulted in our overall market share again Increasing.
- We are engaged upon long term plans for extending our brewing capacity, both to increase the output of our traditional beers and to be prepared to brew lager and/or keg
- Our liquid position is a strong one. We have the cash available for development and have stood by our policy of developing within our own strength without the need to borrow.
- We can hardly assume current economic stringencies will not soon begin to bite into our customers' spending power; nor can we hope for a third successive summer like the last two. Yet our trade for the first three months of the current year matches that of last year.

HERBERT MORRIS LTD

Summary of Results

Year ended 31st. Oct. 1976

		Comparativ	e Figures
	1976 £000's	1975 £000's	·1974 £000's
Turnover	28,521	21,281	1 4,4 01
Profit before tax	2,165	1,155	316
Earnings per ordinary share	34.1p	14.1p	3.8 p
Dividends per ordinary share	10.0p	6.0p	

As previously announced, the dividend of 10p has been approved by The Treasury.

- The Group has achieved a significant improvement in profits. Benefits are now accruing from the substantial capital investment
- programme of the last two years.
- Two takeover bids have absorbed management time and not been welcomed by the Company's employees.
- Orders in hand at the year end were lower than last year due to Government expenditure cuts and a slow down in world wide investment.
- Further profit growth is expected in the current year.



Patrick W.Robinson,

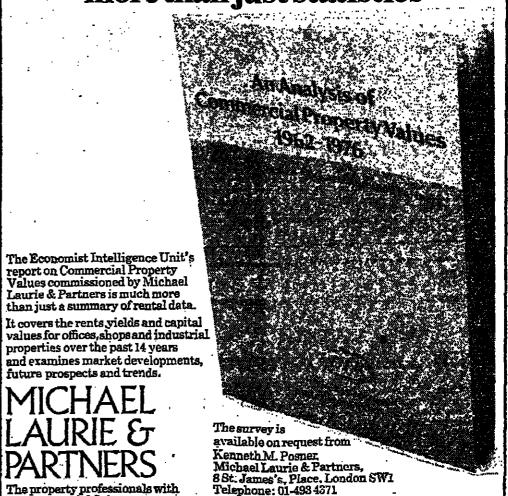
Herbert Morris Limited North Road, Loughborough,

Muscles for Industry

the commercial flair

Leicestershire. Telephone:0509 63123.

The property survey that provides more than just statistics



CANINING

W. Canning Limited

Highlights from Chairman's statement for the year ended 3ist December 1976

- Sales and profit margins increased in a difficult year
- ★ Maximum allowable dividend to be paid—dividend increased in every year since 1966 except when prevented by legislation
- * Major capital expenditure programme will result in cash balance being replaced by overdraft at the end of 1977. The Company has ample financing facilities
- ★ Further progress expected in 1977 with increased orders for Engineering activities and increased penetration into export markets for speciality chemicals and polishing materials
- ★ The 1975 profit of £954,000 is after a deduction of £9,000 as a result of adopting Statement of Standard Accounting Practice Number 9. The effect on the 1976 profit is an increase of £3,000

SUMMARY OF GROUP RESULTS	FOR YEAR	•
	1976 £²0 00	1975 £'000
Sales	24,099	20,517
Profit	1,244	954
Taxation	656	487
Extraordinary Profit (1975-Loss)	32	35
Profit attributable to Stockholders	620	432
Dividends on Ordinary Stock	341	310
Profit retained	279	122
~	PENCE	PENCE
Earnings per Stock Unit	5.4	4.3
Dividends per Stock Unit	3.157	2.87

W. Canning Limited-Great Hampton Street, Birmingham, 218 SAS.

Nigeria

Total emoluments up to £50,000 p.a., consisting of a high basic salary and profit sharing incentive scheme, are offered for this Lagos based appointment; it carries the full profit responsibility for the trading and manufacturing operations of a Nigerian company which is part of a major British multinational group. 7-figure profits are currently earned by this subsidiary and the successful candidate will be charged with the responsibility for the further profitable expansion of the business. There is a wide range of fringe benefits and there are long-term

Candidates, aged 38 to 45, must have relevant overseas experience covering consumer, industrial and capital goods, gained preferably in West Africa.

COMPANY

24. Old Bond Street, London W1X 4AB

EDUCATIONAL

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Alfa Romeo

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SALES: 01-485 9333/6

Spares & Service 01-485 8716/9

ORIVE an appreciating assets. 60 Rolfs' Bentlews from 1921-1957 Including Several superb Clouds Wralths. Ind Dawns. 5 T Types Also 70 has pre-war cars. Alexanders Poloca Auction Foday 19th February. 01-834 9225.

PUBLIC NOTICE

BORDUGH OF IPSWICH BILLS

5580,000 Bills issued 15.2.77 maturing 17.5.77 @ 11545 Applications totalled 68 360,000 and there are \$580,000 Bills

G. B. KENT & SONS LIMITED

ICE IS HEREBY GIVEN that the Transier Books of the Company CLOSED from 21st to 25th Marci both dates inclusive.

C. H. MILLER, Director & Secretary

NOTICES

Please send relevant details - in confidence - to J. M. Ward ref. B.41306.

World wide

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We are currently expanding the Commercial and Local Authority Sections of our Sterling Department and have vacancies for experienced personnel in these particular fields.

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Please write in strict confidence stating experience to:

> The Secretary, Harlow Meyer & Co., Adelaide House, London Bridge, London, EC4R 9EQ.

CONTRACTS AND TENDERS

SCOTTISH DEVELOPMENT DEPARTMENT The London-Edinburgh-Thurso Trunk Road A9 Tore to Maryburgh

The Secretary of State for Scotland proposes to invite tenders from experienced contractors for the construction of the above section of Trunk Road in the Highland Region on the Black Isle from Tore some 9km northwest of Inverness to Maryburgh 2km south of Dingwall.

The construction is of some 7.3km of 7.3m wide single carriageway in either flexible or rigid pavement at elevations of up to 14S metres above sea level. Also included is the construction of a bridge comprising 3 spans measuring 34m, 44m and 34m respectively together with a 7 metre span railway overbridge and including side road connections, drainage and other ancillary works. Approximate cost of the works is £3.8 million.

It is hoped to issue contract documents about April 1977 and the contract period will be $24\ \mathrm{months}$.

Contractors, wishing to be considered for inclusion in the list of firms to be invited to tender for this contract should apply to The Secretary. Scottish Development Department, NCR Building, 2 Roseburn Gardens. Edinburgh EH12 5NJ. not later than 14 March 1977 quoting reference RUP/33/51. Thereafter, invitations to tender will be extended to selected contractors and the necessary tonder deep contractors. to selected contractors and the necessary tender documents and drawings will be issued by Crouch & Hogg. Consulting Engineers, 18 Woodside Crescent, Glasgow G3 7UU, stating when the tenders are to be returned.

The intention is that tendering should be restricted to firms of proven capacity and experience who at the time will be in a position to submit genuinely competitive lenders. Contractors who because of other commitments or for any other reason do not apply to be considered for these works will not in any way prejudice their eligibility for consideration for future similar contracts. This scheme is also being advertised through the medium of the Official Journal of the European Communities.

TRAVEL



Zurich, Switzerland's largest town (right in the centre of Europe), has 2 Holiday Ian hotels, run by Mövenpick, Switzer-land's best-known restaurant organization. That means room comfort and high-level gastronomy under a single roof. Flexible conference facilities, attentive service and teasonable prices ensure successful international meetings.



MINING NEWS

Comalco boosts 1976 profits

agreement

on sea mining

An informal conference

The main question to be faced, he added, is "who should exploit and under what political frame-

work the first mining operations will be approved for exploitation."

The Philippines gold producer, Benguet Consolidated, reports 1976 earnings of \$2.59m. (£1.53m.),

or 16 cents (9.4p) per share, com-pared with \$6.37m. in the previous

year. The company has been hit by weakness in gold and copper

prices but the president, Mr. Jaime V. Ongpin, reckons that the

Philippine Government's new five

America's Amax and Australia's

ROUND-UP

BY KENNETH MARSTON, MINING EDITOR

main reason for Comalco's sharply increased earnings and the rise in gross sales revenue to \$329m. (£211m.) from £286m. in 1975. Shipments, both of bauxite and metal, were slightly lower than in 1975.

than in 1975.

Bauxite production, however, rose by 100,000 tonnes to a record 9.65m, tonnes, while that of primary metal expanded to 160,498 tonnes from 137.544 tonnes; the latter increase has followed the re-starting of idle capacity at the Bell Bay smelter in Tasmanla and the completed expansion of the Bluff smelter in New Zealand.

Geneva next month will make a major effort to break the dead look in the UN Law of the Sea oction to be well and developing nations on the type of regime necessary to ocean floor.

The chairman will be the Norwegian Minister for the Law of the Sea, Mr. Jens Evensen Invitations have been sent to 158 countries. The next formal session countries.

New Zealand.

Invitations have been sent to 158 countries. The next formal session is to of the Law of the Sea conference be introduced to allow a deduction for income-tax purposes to ended last September. reflect the effect of reflation on The UN Secretariat will be inventories. RTZ's 72.6 per cent. of represented in Geneva by the owned Canzine Riotinto of Under-secretary General, Mr. Australia holds 45 per cent. of Rernardo Zuleta, who said in Canzine the spaces of which New York The situation seems. Comalco, the shares of which New York. "The situation seems were 10p up at 210p yesterday.

Northgate loses \$0.6m.

FOLLOWING a poor fourth quarter when there was a loss of \$611,000 (£352,000), Canada's Northgate Exploration reports a consolidated net loss for 1976 of (5.2p) per share. This compares with a re-stated net income of \$1.49m., or 2 2cents per share.

Northgate points out that the poor performance in 1976 mainly reflects the termination of the rish Gortdrum copper mine year gold subsidy and promising operations in the latter half of development targets for higher 1975; in that year Gortdrum contributed \$978,000 to Northgate's profitability to gold operations. net income in addition to a profi of \$584,000 from the disposal of fixed assets following the closure of the mine.

Endeavour Oil have had to com-

No. 08411 of 1977

In the HIGH COURT OF JUSTICE Chancery Division Companyes Court. In the Matter of JOBEL CONSTRUCTION LIMITED and in the Matter of The Companyes Act. 1948.

NOTICE IS HEREBY GIVEN that a Petition for the Windians-Up of the above-named Company by the High Court of Justice Company by the High Court of Justice Was, on the 7th day of February 1877, presented to the said Court by the Courts of Justice. Strand. London WC21, Mark Lanc, London ECIR THE, and that the said Petition is directed to be heard Courts of Justice. Strand. London WC21, 2LL, on the Lith day of March 1877, and any creditor or contributory of the said Company desfrous to support or oppose the making of an Order on the said Company desfrous to support of oppose the making of an Order on the said Company desfrous to support of oppose the making of an Order on the said Company desfrous to support of oppose the making of an Order on the said company desfrous to support of the said propose; and a copy of the Pention will be introduced thigher exploration the parent company's share of losses included higher exploration the present and inched prospect included higher exploration the present and inched higher exploration in line in Newthern Australia following the parent company's share of losses in the parent company's share of losses incurred by the associated company results and the Royal incurred by the associated company required by the associated company required by the associated company required by the short and the results and native prospect it is stated. A new feasibility study is to be started on the results of drilling at the Flying incurred by the which started on the parent company's share of losses in the pare

instailed.

Once this work has been completed an attempt will be made to increase the ventilating current through the mine as a prelude to resuming mining operations. Since resuming mining operations. Since the fire started mine production

on payment of the regulated charge for the same.

G. KRIKORIAN,
King's Beam House,
39-41. Mark Lane.
London ECSR THE.
Solicitor to the Petitioners.
NOTE.—Any person who intends to appear on the hearing of the said Petition must serve ds. or send by post to, the above-named notice in writing of this intention so to do. The notice must state the name and address of the person, or, if a firm, the name and address of the person, or, if a firm, the name and address of the itim, and must be signed by the person or firm, or his or their Solicitor if any), and must be served or, if posted, must be sent by post in sufficient time to reach the above-named not later than four o'clock in the afternoon of the lith day of March 1977. on payment of the regulated charge for the game.

G. RRIJEORIAN.

Files Beam Rosse,

London ECSR THE.

Solicitor to the Pettimeers.

NOTE—Any person who intends to appear on the hearing of the said Pettinon must serve on or sold by post to the shore-camed notice in writing of his mention so to do. The notice must start if a firm, the name and address of the limited must serve on or sold by post to the limited must serve on or sold by post to the limited must serve on or sold by post to the limited must serve on or sold by post to the limited must serve on or sold by post to the limited must serve on or sold by post to the limited must be sorved or. If posted must be sorved or. If posted must be sorved or. If posted must be sorved in the affermon of the limited limited limited by the option of limited and the limited li

of the Sild Company requires successful the Sild Company requires successful the Sild Company requires successful to the Sild Company requires successful to the Same.

On payment of the regulated charge for the Same.

G. KRIKORIAN.

Routhschild Asset Management. This is a single premium life bond linked to a new glitten. The life bond linked to a new glitten. This is a single premium life bond linked to a new glitten. The life bond linked to a new glitten. The life bond linked to a new glitten. This is a single premium life bond linked to a new glitten. The life bond linked to a new glitten. The lif

minimum investment is £1,000.
The life assurance benefit varies with age from £2,500 per £1,000 invested at age 30 or less to £1,010 at age 80 or over. The initial charge is 5 per cent.

The company has also introduced a new scheme for the repayment of a house mortgage—Mortgagemaster—designed to provide a flexible method of the first since 1973 when the total repayment at a low initial cost.

The basic plan used the Guaranteed Benefit Endowment as had to contend with another contract and the investor takes season of reduced supplies of

Assurance—Gresham's non-profit has had to contend with another contract and the investor takes out sufficient units to cover the amount of the mortgage.

If the investor effects a fresh mortgage, he can vary the term of the scheme to diver the new mortgage term and effective further units of the Guaranteed benefit up to a maximum of the profit up to a maximum of the current 13-month period for the current period to the current 13-month period for the current period for the peri

Christian Salvesen up £1½m. to £6.25m.

PROFITS OF Christian Salvesen, cover dividends at the present a total of Lip (0.8757p) for the unquoted house building, level. cold storage, fish and shipping Looking further ahead, they group, jumped from £4.75m, to feel confident that the group will £5.28m. In the year ended Sepmaintain growth.

1975-76 1975-76 1975-75 197 current year the directors warn

DESPITE the company's cautious tinuing operations in the December of a lower result.

The profit for 1975-76—achieved ber quarter was 50 per cent more thaif 1976 earnings of the Rio than in the same quarter of 1975 to £89.48m.—was struck after an aluminium producer, Comaleo, the \$2.02m, recorded in the Sephane continued to stride ahead. As a result, consolidated net profits for the full year have two ways. The gain over 1975 compared with only \$6.3m. in 1973 and \$17.3m. in 1974.

Comalco has decided to September quarter came about announce its final dividend later this month and will send out the annual report on March 28. At Meanwhile construction of the associated company. Company has four the same and a products, Meanwhile construction of the associated company. Company has four the same and a products.

Many hile construction of the associated company. Company has four the same and a products.

Meanwhile construction of the associated company. Company has four the same and a products. of a lower result.

The profit for 1975-76—achieved interest on a turnover up from £76.9m. Share of associates loss ... investment income areas areas.

announce its final dividend later this month and will send out the seasonal factors and a annual report on March 28. At the 1976 half-way stage, when net profits had reached 38.4m, the company declared an interim of 2.75 cents. For 1975 there was start-up should be in the late an interim of 1.25 cents. For 1975 there was hould be in the late an interim of 1.25 cents. For 1975 there was start-up should be in the late an interim of 1.25 cents. Higher prices, notably on primary wetal sales to international customers, provide the annual report to March 28. At weak market for some steel similar to last year but, if any thing, lower. The share of loss received the Board of Glass, multy rates are closely the wing. lower. The share of loss received the Board of Glass, multy rates are closely the wing. lower. The share of loss received the Board of Glass, multy rates are closely the wing. lower. The share of loss received the Board of Glass, multy rates are closely the wing. lower. The share of loss received the Board of Glass, multy rates are closely the wing. lower. The share of loss received the Board of Glass, multy rates are closely the wing. lower. The share of loss received the Board of Glass, multy rates are closely the wing. lower. The share of loss received the Board of Glass, multy rates are closely the wing. lower. The share of loss received the Board of Glass, multy rates are closely the wing. lower. The share of loss received the Board of Glass, multy rates are closely the wing. lower. The share of loss received the Board of Glass, multy rates are closely the wing. lower. The share of loss received the Board of Glass, multy rates are closely the wing. lower. The share of loss of the associated company of the sary to give further consideration to the effect on the company of the wings and the construction of a start-up should be in the late wings. The share of loss of the associated company profit to be substantial and, to the effect on the company of the wings and the construction of a start-up should be i

GLASS GLOVER

annuity rates

The Prudential Assurance of pany, the largest life compathe U.K., has reduced its diate annuity rates right the board by £4 per annual each £1,000 of purchase the This move reflects the recent

ONTINEN

PRIMROSE INDUSTRIAL HOLDINGS LIMITED

(Incorporated in the Republic of South Africa)

Directors: D. A. Lurie (Executive Chairman), D. M. H. Bruggemann. I. D. Brittan, J. P. Wall (British), J. A. K. Brooke (British), C. C. Woth: Sonn. Alternates: I. R. Fullerton, T. L. Richards.

INTERIM REPORT TO 31 DECEMBER 1976

Your Directors have pleasure in reporting the unaudited results for the six month period ended 31st December, 1976.

period ended otal December, 1910.		Six months to ADJUSTED	
• •.	31.12.76	31.12.75	31.12.75
Group turnover	R'000 16,357	R'000 16.156	R'000° 18,631
Group profit before tax	1,910	2,611 578	3,120 578
Group profit after tax	1,873	2,033	2,542
Ordinary shares in issue, fully paid	10,721,568	10,646,768	10,646.768
Earnings per share (cents)	17.5e . *11.67p	19.1c *12.74p	23.9c
* Present equivalent	_TT*01 b	-12.74p	*15.94p
Dividend per share (cents)	· 8c	8c	Sr

The half-year to 31st December 1976 is not strictly comparable with the corresponding period the previous year as the latter included earnings from Delmas Silica Company and the attributable profits from Newcastle-Platberg (column 3). The figures shown for 1975 are therefore adjusted to exclude these earnings (column 2) and give a truer comparison of the performance of the company in its present fields of activity. Funds raised by the sale of our coal interests have been re-deployed into new productive assets and the bulk of the capital expenditure for the year was completed by the end of January. Allowances on this capital expenditure have resulted in the very low tax liability for the period. The benefits of the capital expenditure should start flowing through in calendar year 1977.

through in calendar year 1977. Shareholders probably need little reminding that the construction industry is currently in its most severe recession since the 1930s. Comparing the period under review against a year previous, the Group actually suffered a drop of 13 per cent in numbers of bricks. sold in the Transvaal and about 34 per cent in the Cape where the market dropped dramatically as early as January 1976.

In the Cape the market has continued to be weak throughout the year. At the present time there are no signs whatsoever of any improvement in general housing and the main worthwhile developments are centered on Mitchell's Plain and Atlantis. Operational efficiency was poor during the 6 months but I believe most of the troubles have been rectified. Improvement is already evident and margins should be restored.

The Transvaal market held at reasonable levels until September at which stage the effects of the cut-down in Government spending filtered right through the economy and a drastic fall-off occurred. Geographic differentiation is still strongly marked with demand strong in the East due to Sasol 2, the Coal Mines and Escom developments, while the Central, West Rand and Pretoria areas are weak. We had fortunately moved early in appropriate.

Successful diversification of product in the Central and Western areas should enable us to take maximum advantage of what market exists and to capture some sections in which we have not previously been able to compete.

Cost pressures in respect of coal, oil, electric power and imported spares continue to be severe, but a selling price increase of approximately 12 per cent was granted on 17th January, 1977, and this should provide some relief.

Overall the Group is in a good position to see out the balance of a most difficult trading period and respond well to any upturn in demand. Maximum effort is obviously being given to tight control of the operations. Our primary aim is cash flow and in accordance with this we may selectively reduce production so as to eat into finished stock.

DIVIDEND AND FORECAST:

Johannesburg

15th February, 1977.

Your Directors have declared an unchanged interim dividend of 8 cents for the half year. Provided there are no material adverse changes in taxation, nor a further deterioration in the market place, it is intended to maintain a final dividend payment of 16 cents. Activity since recommencement of building operations after the December shut-down is at a reasonable level, but it is not possible to forecast trends other than on a day-to-day basis. On behalf of the Board.

David Lurie Don Bruggemann — Directors

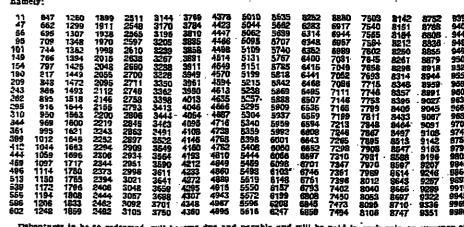
NOTICE OF REDEMPTION to the holders of Debentures payable in American Corrency

of the issue designated

9% Sinking Fund Debentures due April 1, 1982 (herein called "Debeatures") of the

CITY OF QUEBEC, CANADA

Public Notice is Hereby Given that the City of Guebec intends to and will redeem for BINKING FUND PUR-POSES on April 1, 1977, pursuant to the provisions of the Debenuars, the following Debentures as indicated, of the above-mentioned issue, at 1995 of principal amount plus accrued interest to the redemption date,



Debentures to be so redeemed, will become due and payable and will be paid in such coin or currency of the United States of America as at the time of payment is least tender for public and private debts in said United States of America, at the office of the Paying Agent. Bank of Monireal Trust Company in the Borough of Manhatan, City and State of New York, United States of America or at any of the offices of the following Paying Agents: Bank of Monireal (Nam Office) in the City of Cuebec, Canada, Schroder Trust Company in New York, J. Henry Schroder Wagg & Co. Limited in Landon, England. Banque de Sues et de l'Union des Mines in Paris, Prance, Eredietbank R. V. in Brussels, Belgium, B. Metzler seel. Sohn & Co. in Prankfurt, Pederal Republic of Germany and Eredietbank S. A. Lincombourgeoise in Lincombourg, Grand, Duchy of Lauembourg, upon presentation and gurender of Debentures bearing the above numbers with all gaupons tasturing subsequent to that date will be rold.

NUCROLAR GUAY, Tressurer

NICHOLAS GUAT, Tressu

DATED AT QUEBEC THIS 9th DAY OF FEBRUARY, 1977

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• STEEL STOCKHOLDING

What happened when the beer ran out

BY ROY HODSON

CLUB had two new "We are shooting at 15 per much enthusiasm for quickly pers, both hefty and cent. of the stockholding expanding its stockholding business while the market is dead. The impression among stockholders is that the cor-

tinto action in March 1975. The Midlands, the North East, to the independent stockholding schases of other businesses and the Manchester area to the independent stockholding schases of other businesses and the Manchester area to the independent stockholding schases of other businesses and the Manchester area to the independent stockholding schases of other businesses and the Manchester area to the independent stockholding schases of other businesses and the Manchester area to the independent stockholding schases of other businesses and the Manchester area to the independent stockholding schases of other businesses and the Manchester area to the independent stockholding schases of other businesses and the Manchester area to the independent stockholding schases of other businesses and the Manchester area to the independent stockholding schases of other businesses and the Manchester area to the far end-points of our business to lose touch with Richards, the managing direct or, asked the far end-points of our business to lose touch with Richards, the managing direct or, asked the far end-points of our business to lose touch with the far end-points of our business to lose touch with Richards, the managing direct or, asked the far end-points of our business to lose touch with the far end-points of our business to lose touch with the far end-points of our business to lose touch with the far end-points of our business to lose touch with the far end-points of our business to lose touch with the far end-points of our business to lose touch with the far end-points of our business to lose touch with the far end-points of our business to lose touch with the far end-points of our business to lose touch with the far end-points of our business to lose touch with the far end-points of our business to lose touch with the far end-points of our business to lose touch with the far end-points of our business to lose touch with the far end-points of our business to lose touch with the far end-points of our business to lose touch with

ran out. Consider how the up to its market target in many market. members felt about it all product areas, it is still weak BSSC may simply mark time

pany. That made the GKN from the existing market.

or the largest stockholder in the stockholding one of the market.

It is Steel Corporation was passed through the last few months. Word the steel stockholding business which currently is a market of mess opportunities in steel wishing to be acquired and suitable for BSSC's planned expansion might kindly a flom-a-year number present themselves at Mr. Is a large customer of the steel pre-nationalisation days represent themselves at Mr. Keeler's office, Whitehall House, corporation began to build halesowen. West Midlands. Steelstock for steel supplies. For

stockholders is that the corstockholders is that the corporation poration will temporarily defer tion caused eyebrows to alarm in the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries its ambition to secure 15 per the stockholding industries in the stockholding industries industri

you will have some idea of in the crucial general steels in sicel stockholding. Or it it is like to be a steel trading sector where it holds may continue to grow slowly by holder in Britain these only about I per cent. making acquisitions if the curoff the market. There are rent harsh trading conditions in went on a six-year buy- two ways for BSSC to drive one or more general steels spree among the stock- build up its general steel stock- stockholders to seek shelter ing companies which cul- holding. It can acquire other under the BSSC umbrilled in the Frances companies in the trade. Or it was a serior to be seen as the stock- trade to the stock- trade to the stock- trade to the stock- trade trade. with the European companies in the trade. Or it Either way the state of affairs mission agreeing in 1974 can set up new stockholding can be no more than transient.

GKN should be allowed to facilities and hire teams of In the longer-term BSSC will hase the big Miles Druce salesmen to carve our business pursue its ambition until it has secured its 15 per cent. share of istock, the new grouping. Those alternatives have be general steels stockholding or the largest stockholder in come well understood in the BSSC and GKN will then

up and its new stockhold- Meanwhile BSSC was already re- Steelstock for steel supplies. For

under a dig European operation all over western Europe. Stock
1. As far as the home all over western Europe. Stock
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1. And the parent of BSSC—

1. The man ultimately respon. BSC could affect 45 per cent of clour a lot."

1. British Steel Corporation—sup
1. Stock
1. The man ultimately respon. BSC could affect 45 per cent of clour a lot."

1. There is a sound profit the industry them

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1. There is a sound profit the industry them iC. puts the target bluntly: Corporation can summon up steel used in Britain. So far the moving into steel stockholding can appreciate that it is bad for commercial profits from our • "Steel stockholding provides market.



Barrow Hopes (Tube Investments subsidiary)
Source: Greene

22,885 15,550 11,279 8,004

they have been built to the size business to make money." we consider right."

called upon to be profitable orientated. employed capital of £40m.

BSSC is intended to be a old Miles Druce man. none of their stockholding ago.

The recession in steel demand

stockholding activities when an excellent opportunity for a

Mr. Richards says that it is So far BSSC's profits have had both inevitable and right that only a negligible impact upon structural changes should be the finances of the British Steel occurring in British steel stock-Corporation. However, Sir holding, The British market, he Charles Villiers, chairman of says, must run more nearly in the corporation, is a man who parallel with the Continental puts profits high in his order Europe market in consequence of priorities and BSSC is being it must become more price-

during its growth period. Mr. GKN Steelstock companies are Keeler is working to directions not the cheapest suppliers but to secure a 20 per cent, return they make a point of reliability upon capital over a rolling five- and ability to continue to supply year period. Last year, a very customers during periods of poor year for the steel indus shortages, BSSC can be expected try, BSSC returned £900,000, on to work in the same way. Mr. Keeler, of BSSC, is himself an

small co-ordinating organisation for BSC stockholding activities steel stockholders, both selling with the member companies mainly home-produced steel. acting as trading arms under could be to encourage a swing their own names. The intention back to home products rather is that BSSC itself should keep than imported products througha low profile. But on one matter out the stockholding business. both Mr. Keeler and Mr. Water. Many stockholders began instone speak loudly and porting steel when the BSC was emphatically. They say that unable to supply them two years

treatment from BSC steelworks has made it increasingly unin any shape or form what, likely that BSSC will complete tompany called British cruiting salesmen in the autumn both reasons GKN activities for some key regions including therefore are of special interest time action in March 1975. The Midlands, the North East, to the independent stockholding independent stockholding independent stockholders do is Mr. David Waterstone. BSC our business to lose touch with Richards. The managing direction action in March 1975. The Midlands, the North East, to the independent stockholders do is Mr. David Waterstone. BSC our business to lose touch with Richards. The managing direction in the far end-noints of our tor, says GKN has gone into fer in developing peneral steels.

general steels stockholding

All these bonds having been sold, this announce

POINTMENTS

Two Furness Withy executives join Board

dems and stress-points in the Legal and General Assurance entration on problems comto Britain and Germany.

iroup turnover

roup profits before faxation

axation (Note 1)

roup profit for the period attributable to

axation, has been calculated at 52%.

members

CANADA

R. J. E. Keville and Mr. London, has already taken up Johnston, the new chief executive. the appointment of Mr. Aircy as A. L. Roberts have been residence in Dubai. Mr. Alan Mr. Pearce is a director and chairman of the holding company. Weeks Associates. Hy AND CO. Mr. Keville is the responsibilities of chief pany Maccess and he will retain a shipping division. Mr. Bank, has joined the Board of that concern with Mr. K. J. Shipping division. Mr. Bank, has joined the Board of that concern with Mr. K. J. Geoffrey Barnard have joined the strength of the control as general manager.

Arbuthnot Latham, has been appointed manager of Oryx.

*

Mr. Peter Ayrton has been and formed a new division to Mr. Aircy as division of Common Brothers.

26 weeks

31 Oct.,

1975

2.770,027

74,202

39,795

34,407

52 weeks

30 April

1976

6.020,366

200,655

110.000

90.655

chant bank based in Dubai, Mr. S. M. Pearce has been

RAMAR TEXTILES LIMITED

INTERIM REPORT -

JNAUDITED RESULTS FOR THE SIX MONTHS ENDED

26 weeks

31 Oct.,

1976

3,554,152

134,800

70.096

64,704

The estimated charge for taxation, which includes deferred

As indicated in the Chairman's Statement of the 7th

Profits for the half year are, as previously intimated, igher than those for the comparable period last year.

ictober 1976, it was very difficult at that particular time to precast the full year's results, but subject to unforeseen ircumstances, it is now felt that they should be considerably

etter than those for the year to the 30th April, 1876.

No interim dividend is recommended.

31st OCTOBER, 1976

Mr. Paolo E. Franceschi. Mr. rising costs and are mobility rising costs and are no eliminate unnecess from their own jobs.

Mr. Tom Rees has resigned as Prieto and Mr. Francois L. Rahm director of the RUNNYMEDE have become regional managers of TRUST to take up a senior LIBRA BANK. Mr. Remeth B.

T. Z. Niewiarowski will sucresearch post in the Home Office. Ramsay has been made senior Mr. Chris Bainbridge Mr. Chris Bainbridge THE ANNEX (a memuly of ORYX INVEST Usha Prashar.

TIS. the Arab-British thank based in British chant bank based in British chant bank

chant bank based in Dubai. Mr. S. M. Pearce has been appointed production director of Aarons, who is leaving the comis a director of Oryx and of marketing at HALFORDS from HAVEN) in succession to Mr. J. P. be associated with it on its document of the company of the company for family reasons and will uthnot Latham and Co. in July 1, reporting to Mr. Melville Dubig who has become chairman mentary film side when she reasons and chief executive of Arnold turns to work.

AMAR TEXTIFES TIMESTATES

Mr. David S. Van Pelt has been

appointed senior vice-presiden by CITIBANK NA. He is based appointed as a director of in London.

HAMPTON GOLD MINING *

OF PRODUCTION ENGINEERS.

Mr. S. Morgan, company secretary of THOMAS FRENCH AND SONS, has been appointed

NORDIC BANK, London has made the following appoint-ments: Mr. Ronald G. Cain, made the following appointments: Mr. Ronald G. Cain, manager, securities department; Mr. Ronald I. Petford, manager, finance director. He will be customer relations and loan leaving Tube Investments, administration: and Mr. Bo S. B. machine division, Coventry, where Fröjd, regional executive for Sweden.

Mr. W. A. Alrey is to become thairman of WEEKS TRAILERS and will be succeeded as managapointed managing director of ing director by Mr. K. Scarle. STANNAH LIFTS (LONDON).

Mr. P. George will be saies the Cogan started with Stannah director. The changes are effective from February 21 and follow.

HOME CONTRACTS

* CRAWFORD AND WEST. 2 division of Common Brothers.

** Iden Murray, TUC general many, bas been appointed a member of the Board of RICAS, the Anglo-German appointed to the Board of RICAS, the Anglo-German appointed a director of SEALED and formed a new division to handle North American non-marine business. Both were previously with Antony Gibbs Sage.

**Mr. C. M. Sasserath. Mr. M. R. accountable with Anglo-German appointed to the Board of RICAS, the Anglo-German appointed to the Board of RIC marine business. Both were previously with Antony Gibbs Sage.

Mr. C. M. Sasserath, Mr. M. R. accountant with Horncastle, and Mr. G. R. Digby and Mr. W. H. Coombs and Mr. A. Pett have been Mr. Cilve Wilson, chief broker, a spears and is unpaid. Mr. SPHERE DRAKE (UNDERWRIT- formed WIGHAM POLAND TECH- directors.

The appointment is for Morris have become directors of appointed directors of the newly- have been appointed associate directors.

The appointment is for Morris have become directors of appointed directors of the newly- have been appointed associate directors.

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The appointment is for Morris have become directors of the newly- have been appointed associate directors.

The appointment is for Morris have become directors of the newly- have been appointed directors.

The appointment is for Morris have become directors of the newly- have been appointed directors of the

**rnment's six nominees.

**e foundation was set up after
t German President Heinein paid a state visit to Britain SURANCE BROKERS) as a appointed a director.

**H. M. R. P. Cuthbertson, general appointed managing director-of J. R. FORRESTER INDUSTRIAL MOTIVATION.

AND COMPANY. has been The company was formed last year to market the Quid-Eachleaves and stress-points in director. He was previously with year to market the Quid-Each-Day incentive scheme where employees are mobilised to fight rising costs and are encouraged to eliminate unnecessary waste

> Mr. Chris Balnbridge is joining THE ANNEX (a member of the Garreit Group of production companies) as managing director Mr. Ron Mitchell has been He takes over from Roberts

> > Mr. David S. Van Pelt has been

AREAS.

*

Mr. John R. Storar has been elected an additional deputy chairman of the ASSOCIATION OF INbecome president of the Lord Remnant and Mr. G. A.

FEDERATION OF WHOLESALE Stout continue as deputy chairmen.

Mr. R. J. Miskin has become secretary to JOHN WILLIAMS OF secretary of the INSTITUTION CARDIFF, has been made a disease.

The CRYSTAL ORGANISATION car distributors, has made three appointments to its main Board, Mr. J. M. Byers (service), Mr. J. P. S. Thomas (sales), and Mr. T. Watson (administration).

director and executive chairman of two operating companies.

LIGHT-SERVICOS DE ELETRICIDADE S.A.

São Paulo

DM 100,000,000 8½% Bonds due 1982

unconditionally guaranteed by THE FEDERATIVE REPUBLIC OF BRAZIL

lasue price: 9912%

WESTDEUTSCHE LANDESBANK GIROZENTRALE

ALGEMENE BANK NEDERLAND N.V.

ORION BANK

AFIN S.p.A. ALAHLI BANK OF KUWAIT (K.S.C.)

. AMSTERDAM ROTTERDAM BANKNIV. ANDRESENS BANK A'S

ARAB FINANCIAL CONSULTANTS COMPANY

BACHE HALSEY STUARTING. JULIUS BAER INTERNATIONAL

BANCA DEL GOTTARDO

BANKERS TRUST INTERNATIONAL

BANK MEES & HOPE NV

BAHOUE BRUXELLES LAMBERT S.A. BANQUE FRANÇAISE DU COMMERCE EXTERIEUR

BANQUE GENERALE DU LUXELIBOURG

BANQUE DE L'INDOCPINE ET DE SUEZ BANQUE INTERNATIONALE A LUXEMBOURG 5 4. BANQUE DE NEUFLIZE, SCHLUMBERGER, MALLET

BANQUE NORDELIROPES A. BANQUE DE PARIS ET DES PAYS-BAS

BAYERISCHE VERBINSBANK

BERLINER BANK Airliengesellschaft BERLINER HANDELS-

CHASE MANHATTAN

CITICORPINTERNATIONAL GROUP COMMERZBANK Aktiongesellschaft

CREDITANSTALT-BANKVEREIN

CREDIT SUISSE WHITE V. ELD

CREDIT COMMERCIAL DE FRANCE

CREDITO ITALIANO (UNDERWRITERS) S.A.

COUNTY BANK Limites

CREDITLYOUNAIS

CREDIT DU NOFO

DAIWA EUROPE N.V.

DELERÜCK&CO.

DEN DANSKE BANK af 1671 Africaelskab

DEUTSCHE BANK

DRESDNER BANK

EFFECTENBANK-WARBURG Akkengeselischaft

FIRST BOSTON (EUROPE)

ROBERT FLEMING & CO.

GEORG HAUCK & SOHN

HILL SAMUEL & CO. Limited

HESSISCHE LANDESBANK - GIROZENTRALE -

E F. HUTTON LCO N. ..

MLEINWORT, BENSON

KREDIETBANK N.V.

KIDDER, PEASODY INTERNATIONAL Limited

KREDIETBANK'S A LUXEMBOURGEOISE

KUWAIT FOREIGN TRADING CONTRACTING & INVESTMENT CO. (S.A.K.)

KUHN, LOEB & CO. INTERNATIONAL

K!ØBENHAVNS HANDELSBANK

EUROPEAN BANKING COMPANY

DEN NORSKE CREDITRANK

DEUTSCHE GIROZENTRALE -- DEUTSCHE KOMMUNALBANK --

DEUTSCHE GENOSSENSCHAFTSBANK

DILLON, READ OVERSEAS CORPORATION

EUROMOBILIARES & A. COMPAGNIA EUROPEA INTERMOBILIARE

GIROZENTRALE UND BANK DER ÖSTERREICHISCHEN SFARKASSEN

GOLDMAN SACHS INTERNATIONAL COPP.

HANDELSBANK N.W (OVERSEAS)

RICHARD DAUS & CQ. . Bankrers

Limited

WOOD GUNDY LIMITED

AE AMES&CO.

ARAS FINANCE CORPORATIONS ALL

ASIAC - ASIAN INTERNATIONAL ACCEPTANCES & CAPITAL Limited

SANCA COMMERCIALE ITALIANA

BANCA NAZIONALE DEL LAVORO **EANCO DI ROMA**

BANK GUTZWILLER, KURZ, BUNGENER (Oversees) Limited

BANQUE ARABE ET INTERNATIONALE D'INVESTISSEMENT (8 A.I.)

BANQUE POPULAIRE SUISSES, A. LUYEMBOURG

BANQUE DE L'UNION ELROPSENNE. SANQUE WORKS Baring Brothers & Co.,

SAYERISCHE HYPOTHEKEN-UND WECHSEL-BANK SAYERISCHE LANDESBANK GIROZENTRALE

JOH BERENBERG GOSSLER & CO.

SLYTH EASTMAN DILL ON & CO.

KUWAIT INVESTMENT COMPANY (S.A.K.) SWISS BANK CORPORATION (OVERSEAS)

KUMAITIMTERNATIONAL INVESTMENT CO. S.A.K.

LIBRA BANK LIMITED

BANKHAUS HERMANN LAMPE Kommanditgesellschaft. LANDESBANK RHEINLAND-PFALZ — GIROZENTRALE —

LANDESBANK SCHLESWIG-HOLSTEIN GIROZENTRALE LAZARD BROTHERS & CO. Limited LONDON MULTINATIONAL BANK (UNDERWRITERS) Limited

MANUFACTURERS HANCVER Limited MERCK FINCKA CO. MERRILL LYNCH INTERNATIONAL & CO.

B. METZLER SEEL SOHN & CO. MORGAN GRENFELL & CO. Limited A:ORGAN STANLEY INTERNATIONAL

THE NIKKO SECURITIES COLIEUROPE) LTD.

NOMURA EUROPE N.V. NORDDENTSCHE LANDESBANK GIROZENTRALE ÖSTERREICHISCHE LÄNDERBANK

PIERSON, HELDRING & PIERSON N.V. PKBANKEN **FOSTIPANIKKT**

PRIVATBANKEN AKTIESELSKAB SALOMON SROTHERS INTERNATIONAL J HENRY SCHRODER WAGG & CO.

SKANDINAVISKA ENSKILDA BANKEN SMITH BARNEY, HARRIS UPHAM & CO.

SOCIETE GENERALE SOCIETE GENERALE DE BANQUES AL

SPARBANKERNAS BANK SUMITOMO FINANCE INTERNATIONAL STEMSKA HANDELSBANKEN

TRADE DEVELOPMENT BANK OVERSEAS INC. TRINKAUS & BURKHARDT

UNION BANK OF FINLAND LTD. LINION EANK OF NORWAY LTD. LINION DE BANQUES ARABES ET FRANÇAISES - U.B.A.F.

VEREINS- UND V.ESTBANK Aktiengesellschaft

J. VONTOBEL & CO. WESTFALENBANK

WESTLB INTERNATIONAL S.A. YAM NORI INTERNATIONAL (EUROPE)

JOHN HAGGAS LIMITED



INTERIM STATEMENT

The Directors of JOHN HAGGAS LIMITED have declared n Interim Dividend in respect of the year ending 30th June, 977, of 1p per share on the issued Ordinary Share capital. The dividend will be payable on 6th April, 1977, to share-

olders whose names appear on the register of members at

. Te close of pusiness on	Am march, 1	011.	•
	Half Year ended 31st Dec. 1976	Half Year ended Sist Dec. 1975*	Year ended 30th June 1976
•	.000°E	£,000	L.000
froup Sales	9,511	7,775	16,713
epreciation	315	293	569
'rofit before Taxation	1,487	1,202	2,707

BR lime freight order for £2m.

FREDERICK COYLE AND CO. over the course of the next few part of the Walter Lawrence months.

Group, has been awarded a \$1173.000 contract for a factory ex- SINDALL CONSTRUCTION. a tension at Chessington. Surrey, member of the Sindall Group, has for Engelbard Industries.

BRITISH RAIL FREIGHT has won order, placed by Dowcett a contract from the British Steel Engineering Construction, also in-Corporation worth more than cludes flexible-jointed pipes up to 22m, over the next four years to 180 mm, in diameter.

deliver 170,000 tonnes of lime
annually. The lime, used in the the Grangemouth branch of the basic oxygen steelmaking process.
Will go by rail from the Tunstead received from Crane Fruehauf quarry of ICI to BSC's Port Talbot Containers an order worth more steelworks.

ARC CONCRETE has been don Council Worth around form. awarded a £120,000 contract to this will consist of onshore supply precast concrete pipes and works in connection with the manhole units for the final link Thames barrier project over of the M18 in Yorkshire. The nearly four years.

AMRO profit rises by 14%

AMRO BANK, Holland's second for taxation was raised largest commercial banking Fis.129.6m. (Fis.112.8m.). group, stated ahead of its annual It was added that the bank's

Abercom achieves

Amro's statement said that the sum transferred to the provision published on March 5 and the for general contingencies was bank is reserving comments on raised to FIS.100m. from FIS.85m. last war's business performance the year before. The provision and the outlook until then.

AIR FRANCE

Struggling to recover

AIR FRANCE, the French state- 1975 before Concorde went into new medium-range airliner, the dismissal by the then Finance at Orly until a proper terminal owned airline, is flying high but regular service. Though the sub- Dassault-Breguet Mercure 200.

Minister, M. Fourcade, if it per- of its own had been built at only in the literal sense. Though sonic shortfall was haived, the Though this 180-seat aircraft sisted with its decision to buy Charles de Gaulle, which will the services it offers its clients improvement was wised out would not meet Air France's Boeing 787s. the services it offers its clients improvement was wiped out would not meet Air France's Boeing 787s. bave a high reputation, it is still completely by Concorde's losses needs for a 100-seat replacement

Though this is never stated in

integral banking Fig. 129.5m. (Fig. 123.5m.)

It was added that the bank's promoted to the state plant of the strength of the

Dosses

In an interview with the France chair is still awaiting the outcome of many's losses last year totalled the French aircraft industry and roughly the same as those of for the joint construction of a Air France was threatened with the same as those of for the joint construction of a Air France was threatened with the some pany's the fact that the Caravelles have now need completely written off, company's operations between do nothing to solve the basic operations between do nothing to solve the basic companies, Allgemeine Establishment of an airline which is the new airport and Orly, is estimated the new airport and Orly, is estimated the new airport and Orly, is estimated to replace its obsolete aircraft two Orly. Indeed, if Air France bad national aircraft industry in the some Frs.420m. (about £50m.), McDonnell Douglas of the U.S. years ago, when the Board of had its choice, it would have constituent on the letterage.

This would make the balance The sheet look better. But it would have took better. But it would make the balance The sheet look better. But it would have took better. But it would make the balance The extra cost of dividing the sheet look better. But it would make the balance The sheet look better. But it would be seven of operations between do nothing to solve the basic companies, Allgemeine Establishment of the new airport and Orly, is estimated the new airport and Orly, is estimated to recompany of the new airport and Orly, is estimated to price of representing a validing the not alone in having to pay the subsidiary of Creditansial.

Atomson in 1973 and 1974

The write of company's operations between do nothing to solve the basic the new airport and Orly, is estimated to recompany mated at Frs.180m., including the not alone in having to prove the new airport and Orly, is estimated.

Authority to the new airport and Orly, is estimated to the new airport and Orly, is estimated to prove the new airport and Orly, is estimated to prove the new airport and Orly, is estimated to prove the new

CA rejects he statement dic by London banks

CREDITANSTALT - Bankver

and benefits in the letters. vided the fluance to Aronso were not paid by CA who presented the letters for ment because of alleged lems in the underlying

action. Creditaustalt claim that

selected proceedings brought by A against Aronson in the Vie Commercial Court had been missed in a final judge lilling against which AWT has lilling

> Same again at Allianz

By Nicholas Colchester

ALLIANZ Versicherungs A largest West German instart AFRIC company will pay an unchided of 20 per cent. for according to the chairman Wolfgang Schieren.

Giving a preliminary as ment of the company's formance last year, Dr. Schie were no market features. Where car insurance, the biggest since changed, straight bonds tended sector of the company's insurance. business and insurance (

Tuesday Monday against variations of cities 102.42 102.42 however, the overall results the year would be a "brille ble 107.85 107.72 profit" the chairman predicts

AMERICAN NEWS

Bethlehem Steel sees poor quarter

a slight improvement in profit clean balance-sheet and avoiding margins. The tax charge, thanks to continued high capital expension actually cash receipts. Mr. Foy said that "demand from the construction industry has not yet materialised and an to continued high capital expennot actually cash receipts.

diture, is actually down from Its consolidated net profit fell

R1.9m. to R1.8m., despite the from R6.8m. to R6.4m. for the
higher profits figure and the year to December 31 but earn.

higher pre-tax figure and the year to December 31, but earning in the capital goods inhigher tax rates ruling since the lags were a shade higher, from last budget. The upshot is an 12.5c to 12.7c. This reflected a improvement in earnings per reduction from 48.3m. to 42m. Share from 24 cents to 28 cents. shares in issue at the year end Abercom has declared an un- (though the earnings figure is on the said severe cold, heavy snows and nautral gas shortages "have changed 10 cent interim but has a weighted average hasis) which been helping things." Foy said. He said severe cold, heavy snows and nautral gas shortages "have Apercom has declared an un- (mough the earnings figure is on changed 10 cent interim, but has a weighted average basis) which reneged on its forecast (made flowed from the cancellation of by the new management just 5m. shares owned by Tokengate, after Mr. McLean's departure) now a Unisec subsidiary, and of a 33 cent total dividend for purchases in the market.

THE ENGINEERING group capital expenditure has to story Aberroom, whose founder and or slow down, raising the target earnings.

THE ENGINEERING group capital expenditure has to story Aberroom, whose founder and property learning abruptly last year, has reported pre-tax profits up from RSSm. to RSS9m. for the six unitsed expenses of the nation's No. 2 steelmaker had first quarter earnings.

Ayear ago the nation's No. 2 steelmaker had first quarter within turnover up from which, with turnover up from the ended December 31 in the Republic, has concentrated in recent years on achieving a slight improvement in profit clean balancesheet and avoiding a slight in principle to merge, reports being the being and principle to make public to expression and public to expression on the past first during the balances of avoiding a specific and support t

Norpipe returns for \$50m.

The latest SEC charges, which a local Canadian Javelin sub- in principle to merge, reports broking service to were belatedly sealed by a sidiary. Pavonia was actually AP-DJ from Montreal. customers.

Abercom has declared an unchanged of cent interim, but has a weighted average basis) which by the new management just 5m. shares sowned by Tokengate, by the new management just 5m. shares somned by Tokengate, by the new management just 5m. shares sowned by Tokengate, by the new management just 5m. shares sowned by Tokengate, by the new management just 5m. shares sowned by Tokengate, by the new feeth symbol state sowned by the sweapelled of 95 per cent. Somne sowned by the sweapelled of 95 per cent. by the new feeth symbol symbol sweapell to the frame of the freed Ration 1st. Canadian Javelin our suppliers of the freed R

Lloyds Bank Group now in Dubai.

Lloyds Bank International are pleased to announce the opening of their branch in Dubai.

The new branch provides a full range of banking services and is responsible for the development of all aspects of the international business of the Lloyds Bank Group in the United Arab Emirates. In conjunction with our branch already established in Bahrain, this enables Lloyds Bank International to play an active role in the financial growth of this important region.

LBI has recently arranged a £202.4 million mediumterm sterling export credit to finance U.K. capital goods and services for the construction of an aluminium smelter complex at Jebel Ali, Dubai.

The Lloyds Bank Group already has branches and offices throughout Western Europe and Latin America in addition to a strong presence in the Pacific Basin and the United States.

Manager: M.K. Atkinson, P.O. Box 3766, Dubai, United Arab Emirates. Telephone 24151.



Fellow subsidiaries of the Lloyds Bank Group: Lloyds Bank California. The National Bank of New Zealand.

LBI, the Bank of London & South America and their subsidiaries have offices in: Argentina, Australia, Bahamas, Bahrain, Belgium, Brazil, Canada, Cayman Islands, Chile, Colombia, Costa Rica, Ecuador, Egypt, El Salvador, France, Federal Republic of Germany, Guatentala, Guernsey, Honduras, Hong Kong, Iran, Japan, Jersey. Malaysia. Mexico. Monaco. Netherlands. Nicaragua. Panama. Paraguay. Peru. Philippines. Portugal. Singapore, Spain, Switzerland, United Arab Emirates, United Kingdom, U.S.A., U.S.S.R., Uruguay, Venezuela.

TITE 4'90 1997
Komaisu 7(pc 1990
Komaisu 7(pc 1990
H Ras McDermort 4(pc 197
Mirsubish) Else, 7(pc 1991
Hirsub 7(pc 1990
H: P. Morgan 4(pc 1987
Nabisco 5/pc 1988
Owens Hilmos 4(pc 1987
T. C. Penney 4'pc 1987
Finneer 6(pc 1994
Raymand 8/pc 1983

e France.
7-year notes on a 71 per cent. issue was 61 years.
Quiet conditions prevailed in sketched a picture of opposite the secondary market and there of the secondary market and the se

about ! better but trading was at Medium

BONDTRADE INDEX

AARONSON BROS. LIMITED

Laconite, Armoflex, Spanboard, etc.

STATEMENT OF TRADING RESULTS Year ended 30th September, 1976 (Subject to Final Audit)

1976 1975 £'000 ₹,000 Group Sales 21,570 17,766 **Exports** 4,594 3,446 Profit before Taxation 2,359 1,820 Profit after Taxation and Minorities 2,221 993 Extraordinary Items (Net of Tax) 577 229 Earnings per Share (fully diluted) 7.72p

In previous years full provision has been made for the contingent liability of deferred taxation. It has been detided that the amount already provided at 1st October, 1975 is adequate for any liabilities that are likely to arise in the foreseeable future and therefore no further provision is necessary.

The earnings per share figure for 1975 has been adjusted to take account of the change in policy in dealing with deferred

The extraordinary items arise substantially from the closure and relocation of production units.

The Directors propose recommending the maximum permitted payment for the final dividend of 1.21519p per Ordinary Share making, with the interim dividend already paid, a total of 1.76519p per Ordinary Share (last year 1.60472p per share) absorbing (342,847 (last year (311,679). Subject to confirmation of the dividend at

the Annual General Meeting to be held on Wednesday, 30th March, 1977, dividend warrants will be posted 1st April for payment on 4th April, 1977 to all shareholders on the register at the close of business on 2nd March, 1977.

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Wth in 1

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Metuti

Now that the largest programme of expansion ever undertaken by the Group has been completed at a cost in excess of £5,000,000 over the past two years, the benefits of the cost savings and increase in productivity predicted in the last Annual Report are being realised.

The first few months of the current year. already show a substantial increase in profits over the same period last year. The Group should continue along its solid ? path of growth and report a further material increase in profits for the current year, subject to any unforeseen circumstances. Meanwhile further capital expenditure projects are still being examined and undertaken.

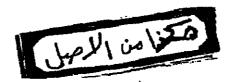


table capital market edicted for W. Germany

GERMAN bankers are points out, the difference to yield private and professional investors

new of this year's outlook noticeably declined.
market made earlier this The move towards by Mr. Wolfgang Roeller dner Bank, has also disfears that a dangerous Federal ation of private and received

leutsche Bank in its latest vesting public.

ig a "smooth and ten-between one and 10 years securi- in particular have had increasing see" domestic capital ties was some 3.3 percentage recourse to the bond market in 1977, with interest points, one year later it had From September to November, tely to stabilise at least dropped by 30 per cent to 2.3 70 per cent of the DM6.3bn. Is summer and with bonds percentage points. From this, bonds sold were accounted for by a healthy turnover and the enclusion is drawn that the domestic namebout appropriate the construction of "smooth and ten- between one and 10 years securi- in particular have had increasing a healthy turnover and the conclusion is drawn that the domestic non-bank purchasers. naturities. price/risk premium expected by This compares with only 17 per eutsche Landesbank Giro- investors in return for commit- cent. for the same period in the

noticeably declined.

The move towards longer term off in the current year with the maturities was marked in off in the current year with the November last year by the projected yearly average 0.5 percentage points below last year at the bank points out lation of private and received launching of a 10 year sector demands on the issue. The bank suggests that might be experienced this the decisive factor was probably to be seen in a change of long-orate sector it points out, which could now also be odd.

leutsche Bank in its latest vesting productions bank is not expected to push up the learning process. The recent success in stabilistic interest rates trade trend inflation rate not only goes up a diminished risk of fluctuation rate not only goes up a diminished risk of fluctuations and that "a higher price level fluctuations, however. A stronger in bond prices, as from cycle to cycle does not have the level of the le

more or less echoing a ment over the long-term has previous year.
iew of this year's outlook noticeably declined.
On expectations that the infla-

4 per cent. the bank points out that the broader real interest rate margin is likely to bave a positive effect on the bond market. In addition, the lower inflation rate reduces the need for monetary curbs on the economy and thus the Bundesbank is not expected to push up

d in a shift in the interest the character of an inescapable ward influence while a new debate on the State's financing teas at the end of 1975, it

The bank adds moreover that problems could do the opposite.

Esselte forecasts growth in 1976-77

STOCKHOLM, Feb. 15. ESSELTE, the Swedish office equipment, packaging and printing concern, forecasts in the nine-month interim report that group sales for the whole of the year 1976/77 will be Kr.2.1bn. compared with Kr.1.5ba, in the preceding year. New companies acquired some two years ago have con-tributed about Kr.450m. of the

Earnings are expected to be about Kr.27 per share com-pared with Kr.20 per share in the previous year. The pre-tax profit is estimated to increase to Kr.109m. compared with Kr.89m. for the nine-month period. The group result went up by 43 per cent. to Kr.1.5bn. compared with Kr.1.1bn a year earlier.

Stelux buys up

Colex shares

STELUX Manufacturing is to buy the remaining 50 per cent. of the issued share capital of Colex not yet held by the company, reports Daniel Nelson from Hong Kong. The purchase will cost HK\$7.56m. in the form of 1,512,000 new Sicinx

HK\$4.4m. in cash in order to break into the consumer electronics field. The deal typifies the major realignments being made by Hong Kong watchmaking and electronics com-panies—the colony is now behind only the U.S. and Japan as a manufacturer and supplier of electronic quartz

be heard on March 18 for the winding up of three Mohan property and investment group companies and a finance firm, reports our Hong Kong correspondent

man changes investment rules

Omani rials in the country's economic development. The stake to be held by I for new local companies Omanis remains at a minimum ished with foreign particity of 35 per cent, although the exact proportion will be determined in each individual case is to encourage an inflow by the Foreign Investment Committel for larger-scale projects mittee, which has just been have been set up in the formed under the chairmanship and to keep ownership of the Under Secretary of the renterprises in the hands Ministry of Commerce and ani nationals.

Industry. It will also insist that refine to Commerce and overseas participants provide ry Minister, Mohammad certificates verifying that their much of the capital share of the capital has been setting up small businesses, for which there is considerable a interests has until now Under the latest amendment.

The of Committee.

The new measure has been given a mixed reception by the Sultanate's commercial community. While some sources feel the increase in the paid up capital will help to ensure greater economic stability, others fear it will deter overseas in with limited resources from setting up small businesses, for which there is considerable and in companies who start businesses.

OMANI Government has been generated inside the to the commercial law, the Government a massive increase Sultanate, while Omanis have ernment has introduced a fine been silent partners and have of at least 5,000 Omani rials for out contributed fully to the foreigners and 1,000 Omani rials country's economic development for Omanis who start businesses. The stake to be held by before permission is granted by

echnical aid for Grand-Bazar

ZURICH, Feb. 15.

DS MAGASINS JELMOLI stake in Grand-Bazar which it a further 14 days.

willing to continue tech- was willing to sell to the French Zumstein said by technical aid
gaid to SA Grand-Bazar if Agache-Willot group before talks he means for example assisting
ary after a Liege court ran into difficulties last month, the store and any future owners

ed the Belgian company Zumstein said talks continue with buying stock through lipt yesterday, Jelmoli with two groups, one Belgian, Jelmoli's own facilities ing director Josef Zum who may be interested in acquir. He said he does not mean aid hold Reuter. ing the Liege store which has in the sense of financial assistioli has a 25 per cent been allowed to remain open for ance.

UTH AFRICAN GOLD MINES

lenty of investment 1 ICHLY

BY RICHARD ROLFE IN JOHANNESBURG

rofit before to (£1,688,649)

TTE the shock of last year's of the earlier schedule in early price collapse to \$103, the African cold mining is currently seeking another R80m. by way of a rights issue of equipped mills and reduction of the factors behind the Anglother the next five years. This be taken as a sure sign the seven mining houses, are confident that gold major gold, are confident that gold mbarked on at least a slowly price trend.

art from the well-advanced mines—Unisel, Elandsrand, wall be remaines—Unisel, Elandsrand, wall be an and the dump retreat—Anglo plans to spend about The one exception to this rule well-advanced and the dump retreat—Anglo plans to spend about The one exception to the mines—Unisel and the dump retreat—Anglo plans to spend about The one exception to the anions—Curious of the mines—Unisel and the dump retreat—Anglo plans to spend about The one exception to the anions—Curious of the mines—Unisel and the dump retreat—Anglo plans to spend about The one exception to the anions—Curious of the mines—Curious find the controlling house the mines—the controlling house themselves and the resulting off job: The controlling house themselves and the resulting off job: The controlling house themselves and the resulting off job: The controlling house themselves and the resulting off job: The controlling house themselves and the resulting off job: The controlling house themselves and the resulting off job: The controlling house themselves and the resulting off job: The controlling house themselves and the resulting off job: The controlling house themselves and the resulting off job: The controlling house themselves and the resulting off job: The controlling house themselves and the resulting off the factors behind the resulting off

This kind of programme, which in issue have just been overlis quite common in the industry taken by Deelkraal, with 63m at present, can usually be and Elandsrand's current plans financed out of the individual will take it up to 50m.

In in a cash flow. All capital this may seem academic, but expenditure is deductible before it is no accident that Randfonders. tax. In the case of the mines tein, one of the most popular with the highest tax and mining gold-uranium stocks, has or be lease formula (and Free State 5.4m. shares in issue. The invest-Geduld and a few others pay a ing public tends to feel that the marginal rate of 74 per cent.) capital of a juggernaut with 63m. this means the State is effectively shares has been excessively funding the hulk of the spending diluted. funding the hulk of the spending diluted.

New scale

For the mining houses them selves the new scale of expenditure at existing mines also means new gold mines almost entirely leas spare funds for funding out of their own resources, with needs elsewhere. In the past, for little public participation. Even instance, the fabulously rich to the houses, the cost of tieing Free State Mines have generated up large sums of equity capital big surpluses which have been for six to seven years is placed with Anglo American and onlent to other members of the ing. and conditions will probably group. But in the future this need to improve before new deep source of funds will increasingly level mines are embarked on.

art from the well-advanced clear further funds will be remines—Unisel, Elandsrand, cural, Randfontein's Cooke in and the dump retreation and the dump retreation of complementary plans to spend about the tonnage at existing the tonnage at existing the completed expenditure of about Sparticularly in the Orange State.

Deunis Etheredge, chair

Lear further funds will be remined to mines and the required with increased difficularly in finding capital overseas. Controlling house and the culty in finding capital overseas.

Anglo plans to spend about The one exception to this rule vendors of the mineral rights has been the large sums protake up a proportion of the has been the large sums protake up a proportion of the vided for future uranium shares at a low price and then deliverles and the five or six acquire further shares at the such schemes arranged to date issue price in the initial prossum to about R200m. Overseas, laid off to other shareholders.

Otherwise the main brunt of Over the years, shareholders in companies like Angle A

RSom. on the similar joint metal iurgical complex in the Free State.

Dennis Etheredge, chair of the Anglo American gold cost another on would be spending major programme at Vaal Reefs, no ver the period up to now the industry's biggest gold with the stablised mines, the producer, which is building a new uranium plant and plans from the other houses, the or combined spending to sink a new shaft on its South a new uranium plant and plans recombined spending to sink a new shaft on its South a new shaft on its South a new shaft and expand its its metanorphois into a corollar to sink a new shaft on its South as a Rioom, plus programme to sink a new shaft on its South as a Rioom, plus programme to sink a new shaft and expand its its metanorphosis into a low grammes. In the past, gold mine capital its metanorphosis into a low grade, high tonnage mine, on which basis it would have, subject to gold price and cost levels, many years of additional life.

Thermal Syndicate Ltd.,

POBOX6, Neptune Road, Wallsend, Tyneand Wear, NEZ66DG.

TURNOVER \$59.03,809\$

POBOX6, Neptune Road, Wallsend, Tyneand Wear, NEZ66DG.

TURNOVER \$59.03,809\$

Profite before the main brunt of the mines file of the mines of the mines, the mines is simplified. From the mines of finance is simplified. From the offer has been brofitable or not according to market circumstances. Inflation

But this venerable system, which is as the fourth bighest into along the first share issue to the first falling grade will be offset by rising tonnage, mitigating the falling grade will be offset by rising tonnage, mitigating the falling for companies to about the companies of cold Investments or Gold Investments or on the mining bouses.

In the offer has been brofitable or onto according to market circumstances. Inflation

Thermal Syndicate Ltd.,

POBOX6, Neptune Road, Wa East Driefontein's 54.5m. shares

This aside, the foreign in vestors—from the U.S., U.K., France, Belgium, Switzerland— One problem, however, is that gold mine finance in the past shareholders tend to be squeezed have become increasingly wary when mines undertake big even of investments with high when mines undertake big even of investments with high capital programmes. Harmony, current yields. They are even for example, passed its dividend tess interested in gold shares last year in order to conserve with no paybacks for another funds for its R60m, programme. four years. The U.S. investor scheduled for completion in too, is precluded by SEC rules from following rights issues.



BANCO DO BRASIL S.A.

U.S.\$40,000,000

Bearer Depositary Receipts issued by

Chemical Bank

Floating Rate Promissory Note due 1982 of Banco do Brasil S.A.

London Multinational Bank (Underwriters) Limited

Credit Suisse White Weld Limited

Banque Nationale de Paris Banque Arabe et Internationale d'Investissement (B.A.I.I.)

Banca Commerciale Italiana

Banca Nazionale del Lavoro

Bank of America International

Banque Worms

Commerzbank

Aktiengesellschaft Creditanstalt-Bankverein

> Wood Gundy Limited

Bayerische Landesbank

Girozentrale

Antony Gibbs Holdings

Limited

McLeod, Young, Weir & Company

The Nikko Securities Co., (Europe)

Ltd.

Limited

Société Bancaire Barclays (Suisse) S.A.

Trade Development Bank Overseas Inc.

Wardley

Salomon Brothers International

Breisach Pinschof Schoeller

Bankkommanditgesellschaft

Banque Bruxelles Lambert S.A.

European Banking Company Limited Lloyds Bank International Limited

Société Générale de Banque S.A. Manufacturers Hanover Limited

Swiss Bank Corporation (Overseas) Limited Westdeutsche Landesbank Girozentrale

Amsterdam-Rotterdam Bank N.V.

Bank Leu International

Limited

Banque Internationale à Luxembourg S.A.

Baring Sanwa Multinational

Crédit Lyonnais

First International Bancshares

Limited

IBJ International

S. G. Warburg & Co:

Limited

N. M. Rothschild & Sons

Limited

Citicorp International Group

Banca della Svizzera Italiana

Bank of Heisinki

Berliner Handels- und Frankfurter Bank

Samuel Montagu & Co.

Skandinaviska Enskilda Banken

Cazenove & Co.

Baring Brothers & Co.,

Crédit Commercial de France

Hill Samuel & Co. Limited

Strauss, Turnbull & Co.

J. Vontobel & Co.

European Brazilian Bank

Limited-EUROBRAZ

Sal. Oppenheim jr. & Cie.

Limited

Algemene Bank Nederland N.V.

Bank Gutzwiller, Kurz, Bungener

(Overseas) Limited

Banque de Paris et des Pays-Bas

Caisse des Dépôts et Consignations

Handelsbank N.W. (Overseas)

Merrill Lynch International & Co.

J. Henry Schroder Wagg & Co.

Limited

Limited

Banca del Gottardo

The Bank of Bermuda,

Barclays Kol & Co. N.V.

Bayerische Vereinsbank

Continental Illinois

Limited

Dresdner Bank

Aktiengesellschaft

Nordic Bank

Société Générale,

Vereins- und Westbank

Aktiengeselischaft 15th February, 1977

The first 50 per cent. was bought in August 1975 for

Mohan petitions

COURT PETITIONS are due to

Hutchison International owns 27.98 per cent. of Mohan, which is the petitioner, along with two of its wholly-owned subsidiaries. The link between Hutchison and the Mohan group goes back to 1973 when it required 15.9 per cent. of the property company soon after the latter went public.

These securities having been sold, this announcement appears as a matter of record only

NEWISSUE

U.S. \$30,000,000

Enso-Gutzeit Osakeyhtiö



Unconditionally guaranteed as to payment of principal, premium (if any) and interest by

The Republic of Finland

Credit Suisse White Weld Limited

Kredietbank S.A. Luxembourgeoise

Hambros Bank Limited

Swiss Bank Corporation (Overseas) Limited

Kansallis-Osake-Pankki

Postipankki

Alabii Bank of Kuwait K.S.C. A. E. Ames & Co. Amsterdam-Rotterdam Bank N.V. Algemene Bank Nederland N.V. Amex Bank Julius Baer International Bank of Helsinki Ltd. tionale d'Investissement (B.A.LL) Banose Arabe et Intern Banque Bruxelles Lambert S.A. Banque Française du Commerce Exterieur Générale du Luxembourg S.A. Banque Française de Dépôts et de Titres Banque de l'Indochine et de Suez me de Neuflize, Schlumberger, Mallet Ranque Nationale de Paris Banque Internationale à Luxembourg S.A. Banque Worms Banque de Paris et des Pays-Bas Bergen Bank Barchiys Kol & Co. N.V. Baring Brothers & Co., B. Albert de Bary & Co. N.V. Caisse des Dépôts et Consignations Brown Harrings & International Banks Ltd. Berimer Handels and Frankfurter Bank Blyth Eastman Dillon & Co. Chase Manifettan Citicoro International Bank Limited Clariden Bank Compagnie de Banque et d'Investi Creditanstalt-Bankvereit Compagnie Monegasque de Bar Credito Italiano Daiwa Europe N.V. Crédit Industriel et Commercial Crédit Lyonnais Crédit du Nord Crédit Commercial de France Deutsche Girozentrale - Deutsche Komm Den Dunske Bank AF 1871 Den norske Credithank Deutsche Bank Dillon, Read Overseas Corporation Dresdner Bank Effectenbank-Warburg Euromobiliare S.p.A. Compagnia Europea Intermobiliare European Beaking Company First Boston (Europe) Robert Fleming & Co. Genossenschaftliche Zentralbank A.G. Grozentrale und Bank der Österreichischen Sparkassen Handelsbank N.W. (Overseas) Goldman Sachs International Corp. Groupement des Banquiers Privés Genevois Hambro-Mitsui Kidder, Peabody International Hill Samuel & Co. IBJ International Istituto Rancario San Paolo di Torino Kuhn, Loeb & Co. International Kjøbenhavns Handelsbank Kleinwort, Berson Kuwait Foreign Trading Contracting & Investment Co. (S.A.K.) Knwait Investment Company (S.A.K.) Kuwait International Investment Co. s.a.k. Lazard Brothers & Co., Lloyds Bank International London Multinational Bank (Underwriters) Merck, Finck & Co. Merril Lynch International & Co. Manufacturers Hanover McLeod, Young, Weir & Company Samuel Montagu & Co. Morgan Grenfell & Co. Morgan Stanley International The National Bank of Kuwait S.A.K. Norddeutsche Landesbank Girozentrale The Nikko Securities Co. (Europe) Ltd. Nomura Europe N.V. Nordic Bank Nordfinanz Bank-Zurich Osmspankkien Keskuspankki Oy Österreichische Länderbank Pierson, Heldring & Pierson N.V. Sal. Oppenheim jr. & Cie. Orion Bank N. M. Rothschild & Sons Rothschild Bank AG Sanstopankkien Keskus-Osake-Pankki (Skop) Scandinavian Bank J. Henry Schroder Wagg & Co. Skandinaviska Enskilda Banken

non Brothers International Smith Burney, Harris Upham & Co. se de Banque Trade Development Bank Overseas Inc.

Westdeutsche Landesbank Girozentrale

Société Bancaire Barclays (Overseas) Ltd. Strauss, Turnbull & Co. Union de Braques Arabea et Françaises - U.B.A.F.

Vereins and West J. Vostobel & Co. zichi International (Europe)

Société Générale de Banque S.A. Société Générale Sumitomo Finance International Svenska Handelsbanken S. G. Warburg & Co. Ltd. Wobaco Investments

Williams, Glyn & Co.

Union Bank of Switzerland (Securities) Wardley Ltd.

growth in 1976 with excellent prospects

for the future"

1975 £8,903,860 £6,928,357 Turnover £1,688,649 Profit before taxation £951,385 Taxation £825,160 £512,703 Profit after taxation £438,682 Dividend per share (nett) q0.8 2.513p 16.24p Earnings per share

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SPECIAL DRAWING

Feb. 15 Frankfurt New York : Paris : Brussels | London A sterdam Zurich

U.S. S in Montreal. U.S. \$=\$102.62.54 Canadian cents.

Canadian S in New York. CS=97.55-52 U.S. cents U.S S in Milan 882.23-882.55.

Sterling in Milan 1600.00-1801.25. ** Rates for Feb. 14.

AUSTRALIA

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11.42 11.73 11.17

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EURO-CURRENCY INTEREST RATES*

Feb. 15 Sterling U.S. Dollar Dollar

-0.35 +4 0-1 +4 +50 +40 -80 +40 -83 +4 -35

1977

Fresh early rise on bargain hunting

BY OUR WALL STREET CORRESPONDENT

Stocks on Wall Street recovered \$572; the Defense Department certainties, rumours of increased to pay a modest dividend for 1976. Financial Minings, Tins, and further ground in to-day's early said spending estimates for unemployment in January, and Allianz Versicherung feil DM9 Collieries hardened, but Coppers trading buoyed mostly by bargain General Dynamics' F-16 fighter the stagnation of French industrial to DM396 on announcing that its were occasionally lower.

Hunting in a number of recently and Trident submarine over the production in December which in 1976 net profit was not as high as continued into January.

HONG KONG—Market recovered from a weak opening to close

Easurae Kodak 149 190 775 -115 ing on Canadian Stock Markets Brit. Petroleum 148 400 135 -5 yesterday. Bow Chemical 140 300 355 - 2 Variation International Power Constal States Gas 14 800 355 -5 Variation States	lever gained Fls.1.1 State Loans fell slightly, Moder- rate interest was shown for the 8.25 per cent. State Loan, which opened for subscription yesterday. GERMANY—Mostly firmer on Wall Street's overnight improve- ment. Siemens gained DM1.20 and AEG DM1.40 in heavy trading. Mannesmann and Commerchank each gained DM1.40. Among Motors, BMW regained DM2.5. VW rose DM1.20 to DM140.50; brokers said there is	SPAIN—The market had its biggest single daily gain for at least a year. There was heavy buying in all sectors, especially Banks. Good gains outside the Banks included CEPSA, 14.50 up at 305, and Explosives Rio-Tinto. 9 higher at 185. ZURICH—Market was narrowly mixed but with a firmer hias in continued quiet trade. Bally Bearer, Holderbank and Motor Columbus improved in Financials, and Zurich Ecarer gained Frs.75 in Insurances, while Nestle Bearer added Frs.15 in Industrials. JOHANNESEURG—Gold shares eased in line with the London	Volume 190m, shares (150m.), Expectations that the outstanding balance of buying in margin trading, to be announced to-day, will show a decline also aided sentiment. Some export-orientated issues recovered. Toyota Motor adding Y20 to Y1210 and Nissan Motor Y6 to Y701. Tokyo Electric Power rose Y22 to Y805, while Oil Refineries continued to rise, Showa Oil adding Y18 to Y365 and Toa Nenryo Y28 to Y585. AUSTRALIA—Market eased from a firm start to close mixed. However, Properties and some of the Financiers which have been weak of late held up until the close, with Hooker adding 3 cents and 1 and 1 and 2 cents.	ties at the lower levels. It improved to \$1.70 by mid-day, and touched a best level of \$1.7045-1.7055 in the late afternoon, before closing at \$1.7040-1.7050, a gain of 75 points on the day. Sterling's trade-weighted average depreciation since the Washington Currency Agreement, as ealculated by the Bank of England. narrowed to 43.4 per cent. from 43.6 per cent. after standing at 43.6 per cent. after standing at 43.6 per cent. after standing at 43.6 per cent. after the Washington Agreement, as calculated by Morgan Guaranty of New York on noon rates, New York on noon rates, narrowed to 1.13 per cent. from 1	Pile Selection of the
Indiaca	WVSE ALL COMPAGN.	Discount B.V. Co. id	10 0A1.56.		

NEW YORK -DOW JONES

Indices

Feb. 4

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Gamert...
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IBY.....
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Intl. Multifords...

| G.A.F. | 125a | 1214 | 154a | 555a | 555a | 555a | 1554 | 555a | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654 | 1654

Feb. Feb. Feb. Feb. Feb. 7.

Industrial ... 958.55 951.52 957.92 955.84 942.24 946.51 1014.75 858.71

HomeB'nois*, 91.22 \$1.53 \$1.58 \$1.47 \$1.59 \$1.56 \$5.57 \$5.58 6.17 15.7

Transport ... 228.74 224.24 228.97 228.84 227.74 228.19 257.52 (3.1 77)

Utilities...... 105.69 106.08 107.17 107.94 109.55 109.47 111.67 | Co. 1 77

"Industrials 111.89-111.25 111.94 111.82 112.75 115.11 120.39

† Composize 100.74 100.22 100.52 100.73, 101.50 101.93 107.85

Feb. 9

3.99

10.85

7.64

Trading vol-000's ; : 19.250, 20,510 22, 549, 25,840, 24,040| 20,700

STANDARDS AND POORS

Ind. div. viold %

Long Govt. Bond yield

Certain Teol.....! Cesena Aircraft....

Jhromalloy Jhrysler......

Cineranta...... Cine Macron....

Columbia Gas.... Columbis Pict..... Combasto c'Am. Combustion Eng. Combustion Eq. Comwith Gilsen. Comwith Oil Ret. Comm. Satellite. Cop. Kilson N. Y. Consul Foods..... Consul Fat. Cas.

Ind. P/E Ratio

showed an improvement of 14 THE AMERICAN SE Market in Steels, Petrofina edged Frs.10 cents at \$54.94, Gains out-Value Index registered a further higher in steady oils.

Smeeomplation

Bigh Low High Low

Jan. 21 Year ago (approx.)

154.64

Year ago approx.

3.35

13.88

5.79

101.64

Jan. 🌣

3.87

11.07

Average recorded a fresh gain of \$721 while Du Pont picked up \$13 from up the Fresh gain of \$721 while Du Pont picked up \$13 from up the Fresh gain of \$721 while Du Pont picked up \$13 from up the Fresh gain of \$721 while Du Pont picked up \$13 from up the Fresh gain of \$721 while Du Pont picked up \$13 from up the Fresh gain of \$721 while Du Pont picked up \$13 from up the Fresh gain up the

numbered declines by a seven-to- improvement of 0.29 at 112.53 at U.S. stocks rose, but South five margin, while trading volume noon, while turnover rose 50,000 African Golds and German issues expanded by 1.95m, to 9.51m, compared with noon yesterday.

On the five margin with noon yesterday. U.S. stocks rose, but South

depressed "glamours" and "blue next decade have been raised by has continued into January.

Sleba.

Sleba were especially dull on the renewed call for nationalisation by the renewed call for nationalisation by the French Communist Regulating Authorities sold DM2.5 in calm trading, and the sterling.

Average recorded a fresh gain of \$721 while Du Pont picked up \$13 tion by the French Communist Regulating Authorities sold DM2.5 in calm trading, and the sterling.

Average recorded a fresh gain of \$721 while Du Pont picked up \$13 tion by the French Communist Regulating Authorities sold DM2.5 in calm trading, and the sterling.

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Average recorded a fresh gain of \$721 while Du Pont picked up \$13 tion by the French Communist Regulating Authorities sold DM2.5 in calm trading, and the sterling.

Average recorded a fresh gain of \$721 while Du Pont picked up \$13 tion by the French Communist Regulating Authorities sold delivery increased to 4.40 cents.

Bonds were quiet.

Feb. Feb. Feb. Feb. High! Low t*p-711 leaves Traded -- 1.865 Down- 713 Same - 441 New Rights-33 New Loss-23 54.89 54.57 54.89 54.86 57.88 37.96 (21)76

	٠,,,		h, Feb. Feb.	1976:77			
MONTREAL			10	9"	High	Let	5
industrial Combined	177.86	178.20	177.30	176.82	199,78 (20:5)		200
CORONTO Comunite	998.9	999.9	989.7	598.5	1106.2 (13/5/76)	920.1 (20 !! ir:	97.00
OHANNESBURG	159.5	156.4	157.7	152.4	226.7 (12)3:	115.3 (25 t)	-

ledust:	nai-,	179.6 I	78.9 : 18	0.3 :186.0	ŧ	2(2.0)	2L 5	i	75.6	ī, i
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Germany 77 729.5 728.2 321.7 687.	i all, Standards and Poors—to and Toron:
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Hongkong - 436.56 436.16 46-35 304.0	6 (e) Paris Bourse 1961. (f) Commercial
Italy 10, 67,94 67,52 91,57, 64,57 (10:1	is dustrial 1970. (b) Hang Seng Bart
Japan 376.23 375.44 524.14 526.26 44/776 12/	New SE 4.1/68. (n) Straits Times 19nc
Singapore at 224.79 254.72 256.16 256.46 (2)	industrials 1/1/38, (r) Swiss Bank Corp

te) Paris Bourse 1961. (1) Commercation December, 1933. (r) Amsterdam Industrial 1970. (h) Hang Sedg Bard 11-7-64. (k) Milan 2/1/73. (m) Fokso New SE 4,17-83. (n) Straits Times 15-6 (p) Madrid SE 31/12-76. (q) Stockness Industrials 1/1/78. (r) Swiss Bank Corp 21, 12/78. (n) Unavailable. Excluditabilities 40 Industrials. 7-400 Industrials. (d) Utilities, 40 Finance and 20 Transport (c) Closed.

OVERSEAS SHARE INFORMATION Investment premium based of \$2.60 per £1—100}% (101]%															
WB	YORK		<u> </u>	Street	Féh. [4	Feb.	i Streik	1 Feb. 14	Fetu 11	Stock	Feb. 14	. Frh 11	Streek	Feb. 14	. Feta II
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-1		74-A	33.8		19
- 1	Festivaleum,	155g j	15.5g	Hudson Bay 16to	1612
- 1	F-value		277	Hudson Dal & Gas 36 La	36%

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Costain Rich	9 `	9 -	ı
Deva Remurces.	612	67g	ı
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Donie Million	4719	4758	ľ
Donne Petrolegin	39	39 ⅓	ľ
Dominion Bridge	19	1914	ľ
Diament	155g	1512	ľ
Dilliout	1212	1212	ŀ
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Ford Motor Cally	83	8 ż	ŀ
henvier	25'	231g	ŀ
tions Yel whome-	739		ŀ
Ciult Oil Cans.in	27	263	l
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Hadiin	284	2814	ı
House the A	28.8	2831	ı.
CHARLES HERE	19 1	19	ľ
Hidson Bar	iet ₂	1612	ľ
Murkam Dalas maa	364	36%	ŀ
1.A.C	1570	157g	ľ
fina seri	512	2519	ľ
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Int'in'a t'un-lan-i	13	134
Laurio I Fin Gara	1615	6:
Lobbas Com. R.	: 2.65	2.65
Me mill in Bloods	221g	224
Ma-sey Ferguson		20
Mehityre Perping	19:4	
Transfer Luighb	31	31
Moore Corpu	321g	32
Norwinda Mines	2912	295
Norcen bueros.	وطنتا	1136
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Summer Otto Gine	1112	113
Oakwood Petr'm	1.40	1.57
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Pacific Copper M ₁	1.02	1.01
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	234	1 55.
Royal Trust	1712	1712
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L NKW 1589	8:2	83,
United Com "T"	11 la	1107
Walker Hiram.	. B12	2812
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† Bld

Pound improves

direction from the previous day. The dollar was also much firmer

NEW YORK, Feb. 15.

Internationals fared better but Mark Foreign Loans were mainloids lost ground.

Mark Foreign Loans were maintained.

Mark Foreign Loans were maintained.

Solds lost ground.

Mark Foreign Loans were maintained.

Tained.

Mark Foreign Loans were maintained.

Tained.

WI AND Stock Community of Conditions were generally
the conditions were generally
the conditions were generally unchanged at SHK124.000, and Conditions were generally next week's results from Hong calmer yesterday with currencies Kong Bank, unaltered at tending to move in the opposite

forthcoming settlements, pre-vailed throughout.

Snia Viscosa rose L47 to L1.112
and Fiat L34 to L1.819.

Since Since Label 10 cents of the control of the previous usy.

Since Since Matheson shed 10 cents of the dollar was also much firmer to SHK1.50, but in firm Hotels, against most other major currencies, while the earlier advance by the German mark and Japanese

U.S. stocks rose, but South
African Golds and German issues
declined. Peugeut fell Frs.40 in
otherwise narrowly mixed French
stocks.

AMSTERDAM—Market picked
up from initial casiness, but tradup from initial casiness, but trad-

and 43.8 per cent. in early dealings.

The dollar's depreciation since the Washington Agreement, as beautomark to like the Washington Agreement, as beautomark 2.77029

New York on noon rates, harrowed to 1.13 per cent. from 1.36 per cent.

The Japanese yen declined to Y281.571 previously, and the some time of currences are supported in Washington.

BIIP, up to \$A6.92 on initial buying, later retreated to \$A6.70, for a net loss of 10 cents. **EXCHANGE CROSS-RATES** AAR fell 13 cents to 72 cents on reports that the Japanese powere no longer interested in the

AAR tell 15 cents to 72 cents on reports that the Japanese prinkfurt 2.582.62 48.16.25 4.665.082 36.75.30 \$2.75.85 were no longer interested in the N. York* 41.78.80 20.09-11 2.750.75 1.655.16260 40.61.53 39.94.85 hall Creek coal project, while its parent, CRA, lost 8 cents to \$A2.78. Renison declined 18 cents to \$A2.78. London... 4.34.70; 17.94.795 8.474.484 62.60.75 2.565.77; 4.565.79 4.565.79; 4.565. \$A1.88. Among Oils, Woodside Burmah came back 3 cents to \$A1.18 and Santos 8 cents to

NOTES: Overseas prices shown below sclude \$ premium. Belgian dividend-are after withholding tax. • D2150 denom unless otherwise stated DM30 denom, unless otherwise stated Pris, 300 denom, unless otherwise stated & Rr.100 denom, unless otherwise stated. Seria 30 denom, unless otherwise stated. Price at time of suspension, a Florius. Ballimas. Comis. d Dividend after pending rights and/or strip-sage, c Per share. I Francs. g Gross, ity. %, hassimed dividend after scrip and or rights issue. k After local laxes. m°, tax free n Francs; local laxes. m°, tax free n Francs; localizated div. a Noon g Share split. S Div. and yield exclude special payment. I Indiated div. a Unofficial tradius. a Minority bolders only a Merker pending. Asked Bid 17 raded. Seller. a Assumed Treat rights. a Ex dividend. See Exceptions.

MILAN

GERMANY +

2.2 ANIC
3.9 Ausonia Fin.
4.5 Bastigi
5.2 Breta
5.7 Bargo
5.1 Cantoni
4.8 UIGA

| S. A.S.F. | 156 | 154.8 | -0.1 | 14 | 5.2 | 5.5 | 5.4 | 5.4 | 5.5 | 5.4 | 5.5 | 5.4 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 | 5. | Harpenen | Dm | 100 | 156.2 - 2.3 | 9 | 5.7 | Italicement | 12.35.2 | 50 | 3.0 | 3.0 | 3.0 | 1.2 | 1.0 | 1.2 | 1.0 | 1.2 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1

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AMSTERDÁM

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Andelsbaken:

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Sterling gained ground fairly German mark weakened to steadily in the foreign exchange DM2.4042 from DM2.3923.

market yesterday as 2 sharp squeeze was applied by the quiet trading. The krugerrand's authorities to short-term Europerminm over its gold content sterling interest rates. Very narrowed to 2.85 per cent. from short term interest rates touched 3.02 per cent. for domestic and 60 per cent. in places and this was international delivery. To any Oliver: 21351₂-1361₄*5236-136 Copening: 51351₂-1361₄*3136-136 Morning 2r*g4165.00 4136.30 479.885; 479.834 479.887; (580.025)

Gold Communicative Communicative Communicative Communicative CEST14-8214 (EST14-8214 SEST14-8214 SEST14-8214 SEST14-8214 SEST14-8214 SEST14-8214 SEST14-8214 SEST14-8214 SEST14-8444 SEST1 Old Sov 'gcs 845-47 846-47 £261₂-271₂; £261₂-27

Eregerand #1385; 140% \$139; 14 £815; 823; (£82; 63 Sex Sov'rgc; \$46-48 £27.28: (£27.28) Old Sov'rgc; \$46-48 £25-26: (£25-26) \$25-26: (£25-26) \$224-227

FOREIGN EXCHANGES

5 L 1.8959-1.7955-1.7040-1. 8 11.7389-1.7470-1.7460-1. 5 4.25-4.28 4.2612-4. 8 62.28-62.80 62.68-62 10 9.99-10.09 10.674-16 New York.

2 Rates given are for convertible for financial frame 62.53-62.75.

L.S. conts 37.57-97.50 Yugoslave 52 3

Rate for Argentine is free rate.

FORWARD RATES

One month | Three month | Thre One month | Three month

Pet. 15 Price + or Div. Y -0.01

-3.1 OSLO Feb. 15 Price + or | Div. Y

+L61 | Feb. 13 | Anglo American Corpn. ... | Charter Cossolidated | +L61 | East Driefontein

TOKYOT.

H. C. Sleigh...... Southland Mining.

195 | 5.5 | 1.5 | 1.70 | 5.7 |
195 | 5.8 | 1.5 | 1.70 | 5.7 |
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STOCKHOLM

offee tops tonne

Richard Mooney
EE PRICES surged to r peaks yesterday as a new

ewed physical outage, community community.

g high producer prices and discussion paper prepared by the supplies were cited as party's research department.

The EEC would be forecast to the 'green pound'."

It is appreciated that maintain-buy into intervention the large buy into intervention the large ing the present level of the lying factors, but traders he rise mainly as an extenhill of Monday's strong according to London worts circulating in London if Monday's strong advance. 10 per cent, rise in the ion contribution quota

fied as exports from India Germany melted about 871

4AX FURNACE OPERATION

EENWICH, Conn., Feb. 15. lax said its lead and zinc

Report warns of danger to social contract

BY JOHN EDWARDS, COMMODITIES EDITOR

speculative and chartist pound" is to be given to the following a further rise in food consumers and producers. Until Labour Party national executive prices would also harm the such a reform is implemented we ewed physical offiake, concommittee next week in a special Community.

It gives strong backing to the surpluses of agricultural produce ing the present level of the Government's opposition to any the British could no longer the immediate short term inpound," as proposed by the EEC This would offset to a significant farmworkers. But farmers had Commission in its farm price cant extent any savings from also to recognise that under the package plan for the 1977-78 monetary compensatory amounts social contract workers are

of buying hit the market A WARNING that the social be imposed under the forthcomrs said the buying, which contract on wages and prices ing Farm Price Review.

March coffee futures by would be severely undermined Moreover, it is argued that the a pricing system which reflects to £3.211 a tonne, included by any devaluation of the "green shorted or in U.K. consumption the needs and interests of both

rit tax) may have aided the rise but these were later of from Rio de Janeiro by razilian Coffee Institute.

The paper warns that a devaluation of the "green pound" —the artificial currency rate used to translate EEC farm prices also denied.

The London cocoa market, while, futures prices considered in bigher at £2.344.75 a tonnes 2t sources said the rise was graged by a firmer tone in York and a larger than ted Dutch January grindigure of 11.490 tonnes (9,970 nuary, 1976).

Season.

The paper warns that a devaluation frequency rate used to translate EEC farm prices resulting from the devaluation.

The paper claims that the facing the prospect of a real cut in their living standards.

Common Agricultural Policy is nown Agricultural Policy is nown a state of continuing crisis.

Its central principle of common pay increase to British farmers price has been found to be far exceeding the norm of 4.5 per utterly unworkable and has had in practice, to be abandoned.

To accept a devaluation of interest—nor in the long-term the green pound would merely interest of the EEC as a whole—which are intrinsicational period towards full membership of the EEC and any that might pletely recast.

resulting from the devaluation facing the prospect of a real cut

Brussels bid to end pig subsidy scheme

BRUSSELS Feb. 15. A DATE at which the Govern against the U.K.

Ministry of Agriculture, of the ment will be required to suspend

The next step is the setting of main British justification for the

court for breach of EEC comto at the Boss, Mo., lead
cr.

Court for breach of EEC comto at the Boss, Mo., lead
cr.

Court for breach of EEC comto at the Boss, Mo., lead
cr.

Court for breach of EEC comto at the Boss, Mo., lead
cr.

During a short EEC Council of petition rules.

During a short EEC Council of petition rules.

Should have the right to buy
canned hams was unfairly based, with his 1975-76 estimate of
making imports unreasonably
26,097,000 tonnes.

During 1976-77 European sugar
a limited quantity of wool direct
to day.

The committee is the policy
tonnes are expected to reto-day.

The committee is the policy
tonnes are expected to reto-day.

The committee is the policy
tonnes are expected to restressed that the Commission tion by Dr. Gavin Strang, Parliaarm of the Australian Wool Instocks of imported sugar cane.

This compares
to his 1975-76 estimate of
the Australian Wool Corporation to buy
taking imports unreasonably
to purchase in the 1977/78 season to be 500,000 bales
to hour canned hams was unfairly based, with his 1975-76 estimate of
the form farmers unreasonably
to purchase in the 1977/78 season to buy
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to purchase in the 1977/78 season

First offer of Soviet softwood

By A Correspondent

EXPORTLES, the Soviet state selling organisation for forest products, made its first offer of softwood to the U.K. market last week for this season.

The nominal constitution is The nominal quantity is 400,000 cubic metres which, if

the Russians follow their usual practice, will be topped up according to demand. Soviet sales to the U.K. last year totalled 1.6m. cubic metres. The price agreed averaged over the five grades shows a rise of just under 10 per cent.

which is in line with recent offers to Holland and West Germany. Terms of the offer include a currency clause which provides for direct adjustment of the price if sterling falls below \$US1.60 or

with 9.5m. tonnes consumption leaving a surplus around 1.8m. tonnes including preferential imports under the Lomé Convention with African. Caribbean and Pacific Countries.

Later, Reuter reported from Ratzeburg that European sugar production for 1976-77 (September to August) is estimated at

EENWICH. Conn., Feb. 15.

Lax said its lead and zinc lifted the force majeure tion declared on February e to the failure of the Boss, Mo., lead the Boss, Mo., lead

The ext step is the setting of main Strikin instruction for the sympathetic echo ber to August) is estimated at in the Council.

28,498,000 tonnes raw value by statistician F. O. Licht in his first extinction of calculating the commission here to ment in the dock of the European the method of calculating the council of the payment of the special subsidy a deadline for removing the sub-action for the August) is estimated at the WOOL Industry Policy dustry Conference the wool-then auction it.

Committee will meet in Mel. growers' "parliament" embrace wool industry sources said the statistician F. O. Licht in his first extinction for the August) is estimated at the WOOL Industry Policy dustry Conference the wool-industry sources said the statistician F. O. Licht in his first extinction for the August) is estimated at the WOOL Industry Policy dustry Conference the wool-industry sources said the statistician F. O. Licht in his first extinction for the August) is estimated at the WOOL Industry Policy dustry Conference the wool-industry sources said the statistician F. O. Licht in his first extinction for the August) is estimated at the WOOL Industry Policy dustry Conference the wool-industry sources said the council.

Committee will meet in Mel. growers' "parliament" embrace will meet in Mel. growers' "parliament" embrace will meet in Mel. growers' parliament bourne on Thursday to yote on ing a number of rural organisa-corporation proposed that it method of payment of the special subsidies on bacton and was unfairly based and the payment of the special subsidies and payment of the special subsidies of the foundation to the payment of the August) is estimated at the payment of the August) is payment of the foundation to payment of the August) is estimated at the payment of the foundation to payment of the foundation to payment of the foundation to payment

CALIFORNIA

Worst-ever drought threatens crops

part of the state is drawing additinterest federal loans tional supplies from the Colorado

There are about 63 000 farmers River to top up reserves in the in California, many of whom normally "wet" northern officials fear will face ruin this

restriate Cortes (amounts) and the control of the green in the London focus and the control of t

GOVERNOR Edmund Brown, Jr., grocery and meat prices, shut mandated.

of California, has left open the downs of food processing opera- Martin County, north of San possibility of state-wide water tions, job layoffs that would add Francisco's Golden Gate, is one rationing to combat what may to California's high unemploy- of the hardest hit. Officials there become the worst drought in the ment rate and fewer purchases of have adopted water rationing.

become the worst drought in the state's history.

Reservoirs continue to shrink as state and local officials begin of rainfall and irrigation water limiting use to 46 gallons a day Farm losses because of a lack for each person.

Farm losses because of a lack for each person.

Farm losses because of a lack for each person.

Farm losses because of a lack for each person.

Farm losses because of a lack for each person.

Farm losses because of a lack for each person.

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Farm losses because of a lack for each person.

Farm losses because of a lack for each person.

Gerald Ford, as one of his final multiple dwellings with five or acts in office to declare 23 Calimore units by 30 per cent, and making them eligible for low parks, golf courses, freeways and cemeteries by 50 per cent.

Vote on amended wool plan

SYDNEY, Feb. 15.

COMMODITY MARKET REPORTS AND PRICES

of Liverpool (Founded 1858)

wish to point out that the Billington Group Company operating on the London Commodities Futures Markets is:-

> EDWARD BILLINGTON (COMMODITIES) LTD. Cunard Building, Liverpool L3 1EL

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and they have no connection whatsoever with Rodney R. Billington Ltd.

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1. G. Index Limited, 29 Lamont Road, London SW10 OHS. Please send me details of your commodity futures service. No. 6

Silver was fixed 1p an ownce higher for spot delivery in the London bullion market yesterday, at 284.50, U.S. cent coulva-lents of the Exins levels were: spot 449.5c, down 1.2c; three-month 453.2c, down 1.3c; str.month 480c, down 1.4c; and 12-month

**Toot....... 264.6p +1.0 265.85p -1.45

**Toonths. 273.5p +1.2 272.75, -1.55

**months. 263.1p +1.2 285p -1.55

**months. 263.1p +1.5 LME—Turnover 224 (174) lots of 19.000 on Mording: Three months 173.7, 73.8, 73.7, 73.6, 73.5, 73.5, 73.5, 73.5, 73.5, 73.5, 73.5, 73.5, 73.5, 73.5, 73.5, 73.6, 73.5, 73.6, 73.5, 73.6, 73.5, 73.5, 73.6, 73.5, 73

COCOA

in mitially quieter conditions, consumer names from sellers reluctant and market isseed steadily near the day's highs, eports Qill and Duffus. 71 2876 0 76 5 +85.50 2380.0 48.0 844 5 45.1 449.252250.0 05.0 2293.5 91.0 +54.752255.0 55 0 7 204.0 +9.0 +49.00 2216.0 2175 245.4 6 4-52.00 2050.0 18-0 1851.5 90.0 +50.80 1893. -8u U 1841.5-42. +47.5u 1845.0 1900 Sales: 5.089 (6,548) lots of 10 tonnes. Externational Caton Agreement (U.S. cents per pound: Daily price for Feb. 14 19549). Imiterior prices Feb. 15: 15-day average 174.80 (173.74); 22-day average 189.91 (169.34).

GRAINS THE BALTIC—Grain markets remained concrally quiet with traders holding back, bending the outcome of EEC farm minusters talks in Brussels. Wheat: U.S. Dark Northern Spring
No. 2, 14 per cept., March 198,30, AprilMay 197,55 transhipment East Coast. EEC
feed Feb 187,00, March 187,50, April
188,75 East Coast.
Makes: No. 3 Yellow American/French

3182-185 + 95.0 5162-129 3210-812 + 119.56229-119 3205-807 + 112.6226-118 3191-200 + 108.08206-119 3180-190 + 97.56175-129 3170-200 + 106.63150-149

Sales: 6,987 (4.385) lots of 5 tonnes. RUBBER + or SLIGHTLY STEADIER opening on the physical market. Fair interest throughout the day, closing bregglar, Lewis and Peat reported a Majarskan godown price of 306 1205) cents a kilo (huyer, March).

The figure 123.91

Indicate prices for Feb. 14 (U.S. cents per pound.): Colombian Mids.

I Colombian Mids. 58 -41.0 -6.50 240.0 59.0 -5.5 -7.3 -0.70 247.0-45.5 -64 -5.5 -0.50 255.0.54.0 -6.5 -7.3 -0.50 ---7 --7.3 -1.00 --98.5 -6.0 -1.75 ---6.5 -7.50 ---6.5 -7.50 ---7 -7 ---7 -7 ---7 -7 ---7 -7 ---7 -7 ---7 -7 ---7 -7 ---7 -7 ---7 -7 ---7 -7 ---7 -7 ---7 -7 ---7 -7 ---7 -7 ---7 -7 ---7 -7 ---7 -7 -7 ---7 -7 ---7 -7 ---7 -7 ---7 -7 ---Sales: 40 (12) lots of 1,000 kilos.
SyDNEY GREASY (in order: buyer, seller, business, sales)—March 350.5, 351.8, 352.0,351.0, May 357.2, 357.5, 258.2-357.5, Sales: 94. Micron Contract; July 353.0, 353.4, 364.0-363.6, Oct. 363.5, 363.7, 364.5-363.4, Dec. 364.5, 364.6, 365.1-364.5, March 369.5, 373.5, 373.5-374.0, 374.0-374.8, Sales: 328. MEAT CDMMIN Served Serv

Crimson 2.06-2.30, Granny Smith 20-lb 3.30-3.50, 40-lb 5.50-6.20: Italian: Per pound, Golden Delicious 8.10, Cranny 1 Smith 0.13, Starking 0.09, Romes 0.09, Belforts 0.06: Tyrolean: Starking, cell-pack 0.10: Hungarian: 40-lb Starking 5.00.
Pears—Per bound Italian: Passacrassane 1.30: S. Airican: Clapp's Pavourite 34-lb 4.50. Williams Bon Caretien carting 6.30, Tomatees—Canary: 3.00-3.60. Onlons—The Spanish: 6.80-7,00: American: 5.90-6.60: Polish: 6.80: S. Airican: 18 kilos 2.20-2.40. Cucumbers—Canary: Per 10-16 pre-backed 2.80-2.30. Celery—Israeli: Pre-packed 4.00: Spanish: 3.04-3.0. Letince—Dutch: 34.30: French: 12-1.90. Fotatees—Italian: New, 20-lb basket-2.80: Canary: 124-kg 3.34, 25-kg 6.20. Single Cross 25-kg 5.30; Cyprus: 7.00; Majorca: 4.40: Ecyphan: 4.30-4.50. Califfoner—Jersey: 24-6.00-6.30: French: 24-6.00.

Canada exports

PRICE CHANGES

. **25.211** + 118.5 £ .602.5

-0.45,281.9

.E83.5

Pet. 15 Pet 14 death age Year age 1627.2 1621.7 1601.0 1224.5 DOW JONES Pet. Peb. Augusti 598 69 598 15 362 79 309 12 9 98 391 50 375 27 503 49 (Average 1814 to M= 180) MOODY'S 15 4

COPRA, Philippines—March to May 5395 resellers a toune off North European ports.

10-Cimm: 1910.8 + 2 8879.1 760.6

U.S. Markets

NEW YORK, February 15. NEW YORK, February 15.

Cocca—Ghana spot 190; (same: Bahla spot 190; (same: March 173.00 (same), May 173.00 (same), Sales: 2,221.

Coffee—"C" Contract: March 244.69: 243.50 (341.00), May 244.72 (241.72), July 244.69 bid. Sept. 244.38 bid. Dec. 242.03, March 239.75-248.18. Sales: 1,325.

Contracts Feb 54.20 (44.00), May 24.20 (44.00), May 244.50 (44.00), May 245.50 (44.00), May 244.50 (44 Copper—Fch. 64.30 (64.00), March 64.40 (64.10), April 64.90, May 65.40, July 66.40, Scpt. 67.30, Dec. 68.40, Jan. 68.50, March 63.50, Sales: 5.210.

2 804-2904 (2504) July 258-2564, Sept. 25942564, Dec. 2724, March 2774,
2Platinum—April 150.60 (162 90), July 150.20 (164 80), Oct. 152 20, Jan. 158-00, April 172-30, July 175-50, Sales: 361, 2258/2002, March 49.00 (450 90), Feb. 445.00 (49.20), March 485.20 (449.70), April 450.50, May 452.50, July 457-40, Sept. 462-00 Dec. 469.20), Jan. 471-90, March 476-40, May 451.20, Sales: 7,500, "Septabeans—March 7274-727 (730), May 727-73 (7354), July 733-7344, Aug. 7312, Sept. 7654, Nov. 6904-690, Jan. 6934, March 7904, May 7044, bSey/shean Meal—March 207.20-207.50 (208.90), May 210.30-210.40 (211.70), July 211.50-212.20, Aug. 211.50, Sept. 294.29, Oct. 194.00-194.30, Dec. 193.50-193.00, Jan. 194.00, March 194.50-104.00, May 195.00, Sept. 204.29, Oct. 194.00-194.30, Dec. 193.50-193.00, Jan. 194.00, March 194.50-104.00, May 195.00, Sept. 295.20, Sales 23.30, Sept. 23.50, Oct. 23.35, Dec. 23.35, Jan. 23.40, March 23.50, May 23.50-23.50, 23 50.

Sugar—No. 11: Spot 8.75 (same).
March 8.79-8.90 (9.55). May 8.87-8.98 (9.65). May 8.87-8.98 (9.65). May 9.88-8.98. Oct. 894-8.95. Jan. 9.09-8.15. March 9.13-9.15. Jan. 9.18. July 9.18. July 9.20. Salod: 3.17. Tin-462,00-475.00 asked 448 00-477.00

185.70 bid., July 99.20 (193.00 bid.), Oct. 99.50 bid., Nov. 35.00 bid.
COADS—MAY 54.10 asked (\$3.70 bid.), July 82.40 (\$2.10 bid.), Oct. 85.00 norm.
5Earley—May 92.50 bid. 92.20 bid., July 91.40 asked (90.50), Oct. 22.29 bid.
dFlaxtored—May 28.55 bid (same), July 257.50 asked, Nov. 281 00 norm.
Wheat—SCWRS 13.5 per cent. protein content cif St. Lawrence 377 1375.
All cents per nound ex-warehouse index sutherwise stated. Cents per 60-lb bushel ex-warehouse, 485 per 1705 onnee—190-nance lots. Chicago loose 55 per 100 lbs—Dept. of Ag. prices previous day. Prime steam (a.b. NY bulk lank cars. 12 Cents per 1705 onnee cark-archouse, b New "B" contract in 35 a short ton for bufk lots of 100 short tons delivered (a.b. cars Chicago. Toledo. St. Louis and Alton. 15°2 per troy nunce for 50-nunce units of 99 per cent. purity delivered NY. "Cents per 69-lb bushel in store. 11Cents per 56-lb bushel is store. 11Cents per 36-lb bushel in store. 11Cents per 36-lb bushel in store. 11Cents per 56-lb bushel, ex-warehouse, 1,000 bushel lots.

Little relief to U.S. wheat

WASHINGTON, Feb. 15. A THAW during the week to February 13 gave little relief to the moisture shortage of the U.S. winter wheat crop, much of which was fully exposed, the U.S. Agriculture Department said to-

day.
The Florida sugarcane harvest. was very active and young cane remained in poor condition. Livestock feed supply re-mained critical in all areas except the Pacific north-west and some of the north central area.

Partial rally on reasonable demand in light trading Gilts up to £1½ better and share index up 9.8 at 376.1

Account Dealing Dates
Option

First Declara Last Account Dealings there Dealings Day

Jan. 31 Feb. 12 Feb. 11 Feb. 22

Feb. 13 Feb. 12 Feb. 13 Feb. 25

Feb. 14 Feb. 24 Feb. 25

Feb. 25 Mar. 8

Feb. 28 Mar. 10 Mar. 11 Mar. 12

"We down the explanation behind the disappointing some comfort from the explanation behind the disappointing January trade figures and bear-locking the disappointing January trade figures and bear-locking the disappointing January trade figures and bear-locking the disappointing figures and the market in Figure and January trade figures and the more disappointing January trade figures and the market in Figures and January trade figures an

but British Funds held fully firm to the end, the recovery here extending to 1; in long-dated issues after the previous day's fulls to 2!. The Covernment trading range in the premium fields to 24. The Government to the softer tendency, out the Securities index picked up nearly trading range in the premium n half of Wonday's loss with a was extremely narrow and the rise of 0.72 to 65.15, still 1.30 off close was only a point down at last week's 34-rear peak of 66.45. [101] per cent. Yesterday's SE last week's 34-rear peak of 66.45. [101] per cent. Yesterday's SE conversion factor was 0.7604 Recent speculative favourities in conversion factor was 0.7604 cial Union picked up 5 to 112p and Royals added 8 to 300p, while particularly stocks with North Official London dealings started Sun Alliance were 7 to the good at 355p. C. F. Heath. 7 up at 485p. soa oil interest, while Properties yesterday in Time Incorporated, stood out with some good gains the U.S. publishing and forestry and the market as a whole was group's; the shares opened and more responsive to encouraging closed at \$274. company news items.

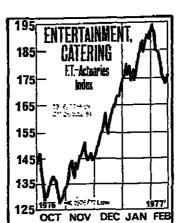
Widespread rains were recorded in the FT-Actuaries Lloyds rally indices, the three main group. Monday's sharp falls were indices all improved by about 1 retrieved by the big four Banks per cent, with the All-share at vesterday as buyers returned in 161.01, and rises in FT-nuoted anticipation of the forthcomine couries outnumbered falls, by dividend season which begins with ato-2, for the first time in eight Lloyds on Friday. Down 10 on business days. Official markings Monday, the latter picked up 12 were 7,055 commend with 7,500 to 197p, while similar improve on Monday and 7,055 on Tuesday of last week.

Buildings rallied well, but the Brown, still a popular issue, volume of business was small, picked up 4 to 148p, and Vickers AP Cement, at 173p, recovered 5 the same amount to 148p Dayy of last week.

AP Cement, at 173p, recovered 5 the same amount to 148p Dayy of the previous day's fall of 6, followed with a gain of 8 to 162p, while International Paint added while Herbert Morris responded

EOUITY GROUPS:

Share prices in the leaders reaction in the main funds and were tending to ease a shade in Jost a point in places, places in the after-hours' trade Institutional demand failed to Institutional demand failed to



Insurances took a turn for the better but the volume of trade left much to be desired. Commer-395p. C. E. Heath, 7 up at 485p, were prominent again in Brokers.

coming Price Community of the industry's profits and moved higher in quiet trading. Bass Charrington, at 90p, recouped 4 of the previous day's fall and Tube Investments, helped by of 5, while A. Guinness hardened 2 to 126p and Allied Breweries to 126p and Allied Breweries 12 to 352p, after 354p, Hawker 10 to 494p and GKN 8 to 301p. John 10 to 494p and GKN 8 to 301p.

were prominent again in Brokers.

Broweries shrugged aside recent despondency caused by the forthcoming Price Commission inquiry and the industry's profits and moved higher in quiet tradition.

where, further consideration of House were noticeable at 65p, the reduced tirst-naif profits, the recent sale of a subsidiary up 4.

Investment Trusts took a turn after 151p, while De La Rue, an for the better, closing on a firm outstanding market of late on the note following some institutional excellent third-quarter profits, interest in the absence of recent markets was the 54; fall to 136; Exploration recovered from 30 added 10 to 310p. Trading statements prompted gains of anything public. Investors Capital finished of a bearish circular issued by on halance at 375p; the composition, 55p, Bath and Portland, 38p, Press comment, while Oil and London's Selection Trust, which for 1976.

fixed interest.... adostra: Ordinary...

65.15 64.43 65.90 66.45 64.68 64.72 85.57 65.65 66.54 376.1 566.3 581.1 389.7 387.9 592.2 104.1 104.5 100.1 102.7 98.4 99.5 Gold Mines.... 6.10 6.25 6.02 5.90 5.94 6.90 Orl Div. Yield..... 19.48 19.97 19.23 18.84 18.98 18.86 Earning Y'nd Z (foll); "! 7.40 7.22 7.49 7.65 7.59 P.E Batto met (*t: ... 7,065 7,590 7,295 6,499 6,904 7,935 Dealings marked. 78.18 83.87 66.40 74.86 77.23 67 Equity turnover £m. 16,328 17,812, 14,940 15,162 17,216 15,1 Equity bergelne total.

FINANCIAL TIMES STOCK INDICES

10 a.m. 371.5. 11 a.m. 375.6. Noon 376.2. 1 p.m. 378.6. 2 p.m. 376.4. 2 p.m. 376.5. Latest Indian 90-204 2026.

and ariy	at 100p, on the other hand, lost 2 of the previous day's speculative	3 to 841p, while Westland put on	at 222p, while Dunlop, 81p, and	- Trease The next	corporation (ax. Nil=7.34.
nest	gain of 61 which owed much to	3 to 62 p. Among smaller-priced	Target Manufacturing, 670, put on	Basis 160 Govt. Secs. 15/10/28. F	1924 th: 1926, this old 1.1.5s. or
1 (2	Press suggestions of bid possi-	issues, Arthur Lee made belated response to Press comment and	2 and 3 respectively. Manchester		+
tion. rd 2	bilities. Heywood Williams lost	improved 2 to 20p. Weeks Asso-	hardened 1! to 13 p, but losses of 2 were seen in Godfrey Davis,	HIGHS AND LOV	VS S.E ACTIVITY
here	3 to 38p.	clates were unchanged at 16p	35p, and Group Lotus, 20p.	Life! Since Cos	rigalistson Feb. Fet.
54p.	Down 15 on Monday, ICI were marked up 5 to 330p at the out-	ex-rights; the price in yesterday's publication was incorrect. In	North Sea stocks were in full	High Low : High	
	set and remaned at that level all	Shipbuildings, Hawthorn Leslie	cry once again yesterday as		——— i ————————————————————————————————
=	day in Chemicals: the results are	extended their recovery to 27p.	buyers returned. Associated News-	Gost, Sers 66.45 55.86 147.4	
.	due on February 24. A weak	սր 2.	papers rose 12 to a 1976/77 peak of 160p, while Thomson put on 10	10/277, (21.12) 9:126	10.1-13. [minstrials 255.0 258.2
	market of late following adverse			Fixed lot 65.90 55.57 150.4	3 172 Latals 160.8 172.
\ II	coment ahead of the results due on March 8, Fisons edged forward	reasonable trade I I your im-	Daily Mail A added 8 to 2650 and	ind. Oni 420,8 465.3 545.6	
Ш	3 to 283p, while Albright and	proved 4 to 66p with the help of	Carless Capel and Leonard were	1100 Orton 145713 146.52	: 6.47 in lummis 234.8 259.
Y	Wilson ended a similar amount	call option business, while gains	to 37p. National Carbonising edged	Gold Mines. 446.9 78.8 444.5	42.5 Seculative 51.0 74.3
Ш	better at 90p in front of to-day's	238p, and Associated Dairies, 222p.	forward 2 to 48p.	21/76 12/00 20/10	F.12-11 1/000 1000 100
-11	results.	J. Bibby continued firmly, rising		<u></u>	
Ш	A disappointing set of retail sales figures failed to deter	5 to a 1976-77 peak of 124p for a	Oils rebound		helds 957 per cent of Amax.
1	Stores, which played their part	two-day gain of 9 on fresh specu- lative support. United Biscutt, at	Well to the fore again in the	Associated, 60p, and Estates House, 205p, put on 3 and 4 re-	16 16 24115
Ш	in the rally. UDS added 3 at 57p	133n recovered the provious day's	day's list of active stocks. Oils	Property	
	and Marks and Spencer were a nenny dearer at 97p. Press com-	loss of 4 while Brooks Pand 44n	rendinded to talying degrees.	and Company Invastrants St 44D.	. Annad a oill trading bess
- (1	ment in front of to-day a AGM	li harder Arena hardened l'ito	Burmah regained most of the Monday's fall to close 4 higher	recouped a penny of the previous day's loss of 3 which followed	South African Golds petered
]	attracted renewed interest in	181p, but Watson and Philip	at Tup and Shell, at 496p,	nowe that the company has ex-	owing to the lack of direction
	Burton, the Ordinary closing 3 to the good at 71p and the A 2	closed 2 easier at 44p following	retrieved 6 of the previous day's	coored its borrowing limits and	the builton price, which
	dearer at 59p. Mothercare	gave up 3 of the previous day's	Releich Petroleum was sufficient	is continuing negotiations for a moratorium with the relevant	nait of cents on at arough
睭	hardened 2 to 216p as did	speculative gain of 7. Supermar-	to offset the effects of overnight	landers Rinancials were noic-	Small scattered selling cau
	W. H. Smith A to 352p.	kets made modest headway.	Wall Street influences and the	worths for profit-taking in	shares to drift and falls wh
the	Decca better	ment with a rise of 2 to 37n, while	price gradually improved up 10	R Kitchen Taylor, which, at 34p. gave up 6 of the previous day's	extended to a half-point in
rade	Leading Electricals staged a	similar improvements were seen	lative inquiry developed for	gain of 17. Grimshawe eased a	tola 6203 and 10 in the lo-
mer-	useful rally, with GEC closing 6	in Hillards, 128p, and Kwik Save,	Tricentrol which rose 10 to 138p;	penny to 11p in front of to-day's	priced issues such as East D
112p vhile	higher at 183p and E311 3 dearer	in the bid situation, Gateway	with renewed North Sea	interim figures, but small buying pushed Park Place up 1; to 12p	fontein, 450p, left the G
d at	at 204p, while Plessey were 2 to the good at 64p. Awaiting further	Securities A hardened a penny to	antimiem Elsowhere Illtrames	and Charterhouse 2 to 480	Milles make out conter at 101.
85p,	news of its Milgo Electronics bid.	"2P III SYMDRIGY WITH A FISE OF 2	removered 4 to 139n and I 49WA		Western Areas gave up 2
kers.	Racal Electronics firmed 9 10	J. Rorel two points shooner at a	5 to 30Sp, while a small demand	Courtaulds ended 2 harder at 990.	1241, access the rect wanter
	266p, while Decca, 240p, and the A, 230p, both regained 7 of the	1976-77 low of £2S on the first-	dem E-maner was reflected by a	after 1000 Retiance Antiwear re-	mine on January 28 and vent
	recent ground lost on the profits'	half loss, Hotels and Caterers were	sing of I to \$491 in Royal Dutch	gain of 2 to 18 p. while Notting	tion seals are being installed.
and	warning for the full year.	generally better where changed. Ladbroke finished 11up at 921p	THE LIES THAT BITHOUGH DIE	ham Manufacturing hardened a	Financials were mixed.
ting. re-	Leading Engineerings regained	and Grand Metropolitan 3 higher	move towards lower interest rates may have ceased for the present.	penny more to 67p following	London-registered issues ten
fall	all the previous day's lost ground	at 67p.	there was little fear of the trend		onio: trading desnite the Str
ened	and Tube Investments, helped by brokers' circulars, bounced back	Watshams wanted	being reversed in the near future	fall of 7 to 225p on the interior	recovery of the U.K. Indust.
eries	12 to 352p, after 354p. Hawker 10	The miscellaneous Industrial	put fresh heart into Properties. Land Securities rebounded 5 to	report while David Dixon closed	market. Among the Sou
the	10 494p and GKN 8 to 301p. John	leaders staged a useful raily from	1525 and Stock Conversion pulled	Carrington	and Genral Mining both recei
	Brown, still a popular issue, picked up 4 to 148p, and Vickers	the depressed levels which fol-	back 6 to 178p, but the feature	Vivella finished marginally	to the common price of £
ed 5	the same amount to 148p Pavy	token kindaay's announcement of	of the day was undoubtedly	cheaper at 26!p in front of to-day's	but Rand Selection improved
	followed with a gain of S to 162p.	A firmer performance by	Bernard Sunley. Renewed specu- lation of a bid from Eagle Star	Intermitted a manage	to 37ap.
aaed	while Herbert Morris responded	sterling helped and with a com-	Insurance forced Sunley up to	Tobaccos sav. a reasonable	In Coppers, ZCI eased in
		othation of bear closing and cheap	128p before a slight softening to	flade defote coanta number of defin	to zip owing to scattered Cot
		Johannia, prices improved quite Inharply, Unilever rose 14 to 4945	126 for a net rise of 18. MEPC recovered 3 to 69p and English	while BAT Industries Deferred.	- nums Rustenburg fell a nen
_		land Glazo added 12 to 430m while	o to 41n while Hammerson 4	208p, and A. Dunbill, 235p, put	to 79p.
D	ICES	i improvements of between 8 and	after opening lower at 34Sp.	OU 4 3ud 3 tesherittela.	In otherwise dull Australia
	. ~ ~ ~	> were recorded in Rank Organi-	closed 5 hizber on balance at	Primrose provided a late dul!	Rangainville stood out with a rise to 98p following the stren:
	d the Cooply of Between	1340b. and Beecham 398n. Else-	gain of 21 to 450 and Land and	spot in South African Industrials, closing 6 cheaper at 86p following	of the shares in overnic
es a	ed the Faculty of Actuaries	where, further consideration of	House were noticeable at 630.	the reduced first-half profits.	Seduca and stelloutine marks
Wa I	l Year	line recent sale of a subsidiary	un 4		MIM Holdings, however, drops
Fels.	ago Highwand Coas Innes	helped Watshams gain 8 to 150p. after 151p, while De La Rue, an	Investment Trusts took a turn	Amax marked down	7 mare to 188p and Peko-Wallse
4	2000	outstanding market of late on the	note following some institutional	A feature of mining share	3 to 360p. Elsewhere, Canada's Norths
		excellent third-quarter profits.	interest in the absence of recent	markets was the £4: fall to £36;	Exploration recovered from 3

OPTIONS TRADED

DEALING DATES

ings ings tion ment Feb. 8 Feb. 21 May 5 May 17

Feb. 22 Mar. 7 May 19 May 31 Nar. 8 Mar.21 Jun. 9 Jun.21

For rate indications see end of

Calls were dealt in Ladbroke, Berry Wiggins, Barclays Bank, Burmah Oil, Lennons, Imps, London and Northern, Marie-vale. P & O Deferred, Brent

Chemical, Waterford Glass, Newman Industries, Thomson Organisation, Guest Keen, ICI, Tricentrol, Courtaulds, British

Land, Invergordon, Town and City and J. Lyons. Puts were

lone in BAT Industries, ICI,

Seecham, Barratt Developments

Deal- Declara- Settle-

F.T.—ACTUARIES SHARE INDICES

These indices are the joint compilation of the Financial Times. The Institute of Actuaries and the Faculty of Actuaries

Tuesday, February 15, 1977

| Monday Friday Thurs, Well Year Feb. Feb. Feb. Feb. Feb. ago approx

EQUITY GROUPS:]4 	<u>. 11</u>	1 10 	!	(Windows			
GROUPS & SUB-SECTIONS		Est.	Ligosa	Fst.	Est.	1	į	}	I			: Since	÷
		ave Ermuza auge Vicklig	Day.	P.E Ratio	F E. Betto	Index No.	Index No.	Index No.	□ Imlex - No.	Index No.	1976/77	· Compate	et i en
Figures in parentheses in the right show		≵ Max.	AL F	116611	·Rala						·		
number of stocks per section.		TANA	#\$ 30% ·	Lorps 1	Tax 14		:	ŀ		}	High Low	High	LO
1 A CAPITAL GOODS (178)	145.07 +1	1.1 19.97	6.62	7.40	7.54	144.52	147.25	150.35	150.90	149,82	160.06:100.83	206.37	20.71
2 (2) Building Materials (31)	122.39 - 1	1.2 20.83	8.01	7.14	7.13	120.90	122.51	126.42	127.25	143.20	150.18 85.53 1:146 2140	233,64 . 4	44.27
3 (8) Contracting, Constructo. (22)	195.74 .+0	0.9 22.58	5.59	6.83	6.83	193.96	196.77	203.09	203.61	235,92	260.20 122.08	389.33 7	71.48
4 (4) Electricals (16)	287.26 + 1	1,1 17.33	5.05	B.55	8.34	284.27	289.56	295.90	296.95	260.73	15 1-767 (27 1-) 507.55 190.54	350.0 → 8	94.71
5 (5) Engineering (Heavy) (12)	1 183.52 +2	.5 26.73	7.16	5.40	5.32	 179.46	: :186.12	190.85	191.34	170,53	15.2 17: (21.10) 198.36 123.36	404.57 6	64.39
6 (6) Engineering (General) (66)			5.98	7.31	-	1		1			(3/2/10 (27/10)) 149.29 95.30	AND 1: 12	2 L 73. 15.45
7 (7) Machine and Other Tools (9)			8.51	5.65	5,63	68.99	70.48	71.85	72.08	56,84	72,87 +5,89	136.70 1	oliči 19.96
i	125.86 + 0		7.40	7.48			1	1	1		(7/277) 11 10) 141,94 90,23	-9.719	12 i. 19.60
Lucy of the Control	225.86 + 0	. 19.02	7.70	7.40	1.71			120.00			(116) 2: 10)	27-172 19	6 1/15r
(DURABLE) (\$3)	127.98 + 1	.1 20.40	5.65	7.35	7.34	126.55	129.50	132.61	155.21	153.01	141.46 85.12 (21.4) (25.15)	227.78 #	88.59
12 (10, Lt. Electronics, Radio TV (15)	141.16 + 1	1 19.35	4,23	7.71	7.70	139.68	142.77	146.82	147.81	149.54	160.35 87.51	457.41 4	14.85
13 (11) Household Goods (13)	[_139.57 +0	0.2 : 21.51	8.68	7.08	7.05	(139.34	142.28	144.80	145.52	179.83	187.22 104.30	263.22 6	53.92
14 (12) Motors and Distribution (25)	84.61 +1	1.5 21.54	6.76	6.96	6.96	83.36	85.49	87.18	87.30	79.34		170.59	19.91
21 (15) CONSUMER GOODS	1]				l	}	l	į	! ;	13/21 2:10 (6/1:75!
(NON-DURABLE) (170)	139.32 + 1	1.0 17.60	7.14	8.59		l .	ı	ı		ı	162.24 104.41* (4/2/16) - 27:15: 7	16/2/725 (18	52,41 5/12/73
22 (14) Breweries (15)	145.96 + 1	1.9 17.35	8.23	8.67	8.67	143.23	145.31	152.00	157.12	171.50	179.43 111.17 (2/2/76: -27:10: d	281.87 6 23-11 i2:::12	9.47 3:12/74)
23 (15) Wines and Spirits (6)	157.34 + 0	i	7.20	9.57	9.57	156.15	157.94	161.79	163.75	181.02	190.67 124.71 10/51 (2c. lo) (457.40 7	78.88
24 (16) Entertainment, Catering (15)	176.02 + 1	1.8 17.99	7.B6	8.46		ĺ	ı	ı	l		211.26 (27.11) Ø35 76 (6) (329.99 6 12.1777 6	4.85
25 (17) Food Manufacturing (21)	154.07 + 1	1.7 1909	6.02	7.72	7.60	151.43	155.22	158.15	158.04	166,51	179.44 120.54 (115) (27d)	411.65. 5	9.67
26 (18) Food Retailing (17)	, 141.89 + 1	.4 14.64	5.75	9.88	9.88	139.93	143.27	147.59	149.01	139.57	152.53 92.79	435.08 ' 5	4.25
32 (19) Newspapers. Publishing (16)	1		4.82	13.01	13.01	217.40	219.22	222.64	316.23	179.36	(3,2,77) (39.10) (222.64 148,46)	460.29 5	55.08
33 (20) Packaging and Paper (12)	98.05 +1	•	8.22	8.28	8.28	97.03	98.87	101.89	102.72	108,30	(10/2/77) (12.10) (112.50 72.34	135.69 4	6;1/75; 13.45
	 114.75 +0).1 : 13.51	6.23	11.42	11.41	114.61	115.89	118.24	117.31	133.44	136.24 78.47	⊇:7⊵. ₍ € 204.39 5	32.63
75 :00 m -11 :001	133.39 +0	1	8.89	10.26	9.32	132.56	i 135.09	138.50	137.68	177.99	(2/2/76) (16-10) (183.24 96.76	l6.€ 72) (6 455.72 €	5/1/75) 52.66
1] 192.50 +0		9.34	5.49	5.49	191.41	1 200.47	, 205.50	204.61	 224.59	(30)(/76) (21)(6) (241,89 167,36)	17.1.67, 111 339.16 9	1:12/14: 14.54
57 (24) Toys and Games (6)	80.57 +0	ı		6.53	6.50	80.26	:	82.83			(3/5) (28:10) 87.63 59.13	10/6-701 k13	5,6,62\ 20.92
OTHER GROUPS (95)	("0.5") "	00,00					 	1			(3/2/77) (22/1) (8/1/i5i
	905 40 . ().4 · 16.10	5.63	8.50 ·	A 50	204.70	209.35	214.85	212.82	215.55	231.38 155.10) 931 38 5	71.20
	205.48 +0			_		87.61	ì	91.29	1	:	(5-5) 27 lb; 100.18 58.55	as Same alle	12/74:
ght1 (10)	87.79 +0		6.44	7.83		1	į.	1	I .	i	(18 or (28 h) 455.80 308.48	of 9.725 62	2:1/75+ 1
··· i	431.23 +1		6.13	_	10.44	ı	j	;	J	,	3.277. 12.101. 172.98 108.14	5 15 C to 124	Contract of
46 (28, Miscenaneous (31)	146.92 +1 1	1.0 17.74	8.10	. 8.40	0.40	143.44	1-0.15	133.30	153.19	107.02	21 4 7.7 pm	236.65	F. 1/2:
49 (29) INDUSTRIAL GROUP (496)	147.69 +0	0.9 18.02	6.73	8.20	8.13	146.32	149.54	153.03	155.10	159.45	168.58 107.52 15/5. 1 07.15	22u.17 : 2	9.01
51 (30) (01)	479.54 ; + 1	1.2 ; 6.88	3 65	13.04	12.60	175.91	.486.54	494.11	484.56		497.57-515.67		37.25
51 (30) Oils (4)	1	! !				<u> </u>		<u> </u>	· 	<u> </u>	3277 (1149)	02/11/12	95:6E)
59 (31) 500 SHARE INDEX	173.96 +	1.0 16.16	6.10	8.87	8.71	172.27	176.02	179.90	.179.41	174.13	186.25-185.80 (3/2-17) (27/10) -	227.95 . 6	55.49 5/12/74
61 (\$2) PINANCIAL GROUP (100)	123.04 ,+2	2.1 1 -	6.41	· , ;		120.49	122.92	125.98	124.79	142.93	153.46 87.19	<41.41 : 6	55.88
• • • • • • • • • • • • • • • • • • •	! 143.16 +5		!	6.51	6.51	ļ.	i	!		1 '	(\$04/16) (\$240) - 192,16 111,55 (11.4.724 1/13	5, L2,74, 1
	151.40 +5	'	 9.51	! _ !	_	ı		!		178.65	(294 <i>06-12</i> 719-7 1 86 .63 97.72	(12), (17:75) 293.13 8	2/13/74) 31.40
64 (35) Hire Purchase (5)	108.02 +	1	1	29.45	29.45			1		ı	(13/1/19) (23-10) 152.10 53.25	of automates	J(12/74. 38.β3
65 (36) Insurance (Life) (10)	104.14 -0		7.26	, _		i	1	1		125.23	12663 (21/10) 129.46 73.11	194.46 4	I,12,74, I4.88
66 (37 Insurance (Composite) (7)	\$8.78 + X		7.48	_ :		97.24	I	i		110.59	(80176) (2.10) / 119.75 68.99	15 3,721 12 155,76 4	41,75, 15,96
SE 120 Inches Probana (10)	247.81 j+0			12.04	12.04	i	I			i	i3 vi/16) (2: 16) (276.90 178,27	21.4.72. 614	6125745
I	£1 98 '_(6.92			61.43	l .	1	64.91		(11/5) (27/10) (93.85 45.15	11.5.761 (16	/12/74) 1.21
68 (39) Merchant Banks (15)	158.88 +			. 35.53	33 00	l	ī	l			(27:1/76) (27:13) 194.57 95.95	June 725 1 17	かわわり
No college to the	1		•	i '	B.19	*		•	:		(30)(-76) (274)(-7 91,98 55.37	3 11.72. WW	144.023
1	:			:		•	<u>' </u>	1			65 27% (28 Jac)	156-736 (17	1,12,741
71 (42) (Investment Trusts (50)	157.98 +0	2.5 3.41	4.88	30.26	30.26			1			184.55 (15.09) (30) The (29) (i)	4	4717714 I
81 (45) Mining Finance (4)	83.60 -1	12.66	6.06	10.02	9.80	84.85	85.85	86.69	86.23	99.75	(2011.75) (28:10) (11 9.77 , 77.52)	175.90 6	55.51
91 (94) Overseas Traders (17)	229.93 +0	18.52	6.53	7.57	7.52		•		1		254.47.178.31	હા;ાલ્મા હૈ 254.47 : 9	17.37
1	1		1 6 10	.		<u> </u>	<u> </u>	<u></u>	<u>' </u>		172.64 116.29	(3.5/76) (6	MINION I
99 (45) ALL-SHARE INDEX (671)	161.01 + 1	<u> </u>	6.10			1.53.31	102.13	130.27	10.01	100.51	172.64 116.29 (30)((16) (27)(0)	228.1 8 (4;5;72) (1:	5/12/74
	Tuesday Fe	h. 18 Monda	y; Frid				esday)		Friday	Year	1976 77	Since	e
FIXED INTEREST		reld 14		. Fel	, F	eb. 1	Feh	Feh.	Feb.	Δμ. (appros.)	<u>'</u>		
I	No.	<u>* </u>	1	_]		- !	<u> </u>	- 1	ı		High Low	High	Low
Consols 21% yield	_ 1	3.54 13.62	13.5	4 13.5	35 13	.33 1	3.33	13.32 İ	13.22	13.55	<u> </u>	1	_
20 mg Cont Stocke (6)	- 1	2.89 50.00	i	ı	.	ł	- 1		51.76	51.49	53.45 42.51	715 40 1	58.27
20 ve Rod Deb & Loone (15)	-4	4.71 50.38		!	ĺ		!	:	50.66		3.0076.1.27.1 mg		5/1/70:
			1	J	1	ł	;	ļ	į		22.40 43.09 (2)-5: (2)11: (24.13.85d W	
4 Investment Trust Prefs. (15)		5.92 49.96	1	- 1	1	ŀ	- ;	- 1	49.74	50.85	71.23 - 40.54 (1) 20 - 1/4 (1)	114.41 5	12/73:
5 Coml. and Indl. Prefs. (20)	67.88 1	3.30 67.88	68.9	3 68.9	ro 69	.04 69	9.00 . 6	9.04 !	68.87	69.07	71.97 >4.89 (2076) 215	114.96 4	17.67
Section or Group Base Date Base	se Value	Section or (Greup	82	se Date	Bas	e Value	1962	WILL QU	arterly	highs and lows.		

109.00 109.90

Indices Limited

FT-Actuaries

ACTIVE STOCKS

ACTUE STOCKS										
De Stock	enomina Lion		Closing price (p)	Change on day	1976-77 - high	1976-77 low				
IC1	. 51	17	330	÷ 5	402	256				
Burmah	. 21	14	70	- 4	90	23				
Shell Transport	. 25ต	14	496	÷ 6	524	352				
Barclays Bank		13	247	÷ 12	350	190				
BP	. £1	12	914	÷ 10	950	557				
Grand Met	. 3 0p	11	· 67	÷ 3	88	41				
NatWest	. £1	11	217	÷12	272	168				
Unilever	. 25p	11	424	÷14	500	346				
BATs Defd		10	208	÷ 4	243	183				
Commercial Union	25p	10	112	+ 3	158	75				
Courtaulds	25p	10	99	+ 2	169	73				
EMI		10	204	+ 3	277	173				
Lucas Inds		10	222	+ 7	250	128				
Marks & Spencer		10	97	+ 1	108	70				
Thorn Elec. "A"	25p	10	224	÷ 2	288	134				
The above list										

NEW HIGHS AND LOWS FOR 1976/77

NEW HIGHS (23) BUILDINGS (1)

Reed and Mallik ELECTRICALS (1)

Barr (A. G.I BB and EA G.R. IHIdgs
Croyder Sale Tilney
De La Rue Watsham's

following securities quoted in the TEXTILES (1) information Service vesterday Trailord Carpeta on new Highs and Lows for 1976-77. TRUSTS (2)
Park Place inv. Kakuzi OVERSEAS TRADERS (1)
Steel Bros-TEAS (2) Assam Invs.

> BANKS (1) HOTELS (1) TEXTILES (1) Worth (Bond) TRUSTS (1)
> Trans. Market Tst.
> MiNES (1)

and Cavenham, while doubles vere arranged in Charterhall

Finance, Danlop, Burmah Oil, Thomson Organisation, ICI and Beecham. A short-dated double was taken out in ICL. NEW LOWS (6)

RISES AND FALLS

MARKE

Interest rates decline

Bank of England Minimum

Lending Rate 12 per cent.

(since February 3, 1977)

Short-term fixed period interest rates declined quite sharply in the London money market yester-3 that the authorities did not make to indicate that any further fall count houses.

Lending Rate is unlikely in the slightly short in supply, and Discount houses paid 12 per near future, and lenders of funds although a large amount of help cent. The one-month sterling certificate by languages to the market the market the morths. The one-month sterling certificate that any to three months. The one-month sterling certificate the interbank market one-week eligible bank bills, and a large mominal in some cases.

Sterling	Local	Local Auth.	Finance
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Peb. 15 Sterling Ocrtificates of deposits Interbr	Local Authority deposit*	Local Auth. negotiable bonds	Finance Bouse Deposit	Company deposite	Discount market deposits	Treasury bills #	Bligible Bank Bills o	Fine trade Bills ф
Overnight	12-1214 2 1216 1214 2 12-1216 116 1178-12 1178-12	1312-1258 3 1258 1258 1154 1214-1154 1214-1155	124-12ig 124-12ig 124-12ig 12ig-12ig 13-12ig 11ig-14ig	}· =	7.18 111g :15g 115g 1146 1114	114	11% 11% 11% 11% 11%	

Local authority and finance houses seven days' notice, others seven days' fixed. *Longerterm local authority market rates nominally three years 131-145 per cent.; four years 14-145 per cent.; five years 14-141 per cent.; de Bank bill rates table are buying rates for prime paper. Buying rates for four-month bank bills 114 per cent.; four-month iran bills 13-125 per cent.; and three-month 11-13-22 per cent. Approximate selling rate for one-month hank bills 112-11516 per cent.; and three-month iran three-month iran bills 113-11516 per cent.; and also three-month iran ber cent.

BASE LENDING RATES

A.B.N. Bank Allied Irish Banks Ltd. 12: American Express Bank 13 Anglo-Portuguese Bank 121 Heary Ansbacher 13 Banco de Bilbao 121 Bank of Credit & Crice. 12 Bank of Cyprus 12 Bank of N.S.W. 12 124 Banque du Rhone S.A. 13 Barclays Bank 12;

Barnett Christie Ltd... Bremar Holdings Ltd. 13 Brit. Bank of Mid. East 121 Brown Shipley 12}' Canada Permanent AFI 121 Capitol C & C Fin. Ltd. 14 Cayzer, Bowater Co. Ltd. 13 Cedar Holdings 14 Charterhouse Japhet ... 123'

C. E. Coates 131 Consolidated Credits ... 124 Co-operative Bank*124 Corinthian Securities... 121 Credit Lyounais 121 G. R. Dawes 131

Duncan Lawrie 12] First London Secs. ... 1219 First Nat. Fin. Corp.... 16 9 First Nat. Secs Ltd. ... 16 9 Goode Durrant Trust... 1219 ■ Antony Gibbs 1219

Greyhound Guaranty... 1219 ■ Guinness Mahon 1249 ■ Hambros Bank 1249

₩ Hill Samuel§12½%. Julian S. Hodge 1349 Hongkong & Shanghai 1219 Industrial Bank of Scot. 1219

Keyser Ulimann 13 % Knowsley & Co. Ltd. ... 14 Lloyds Bank 1249 London & European 13 9 London Mercantile 13 9 Midland Bank 121% ■ Samuel Montagu 121% ■ Morgan Grenfell 121%

National Westminster 1219 Norwich General Trust 1219 P. S. Refson & Co. ... 121% Rossminster Accept'es 121% Royal Bk Canada Trust 12% Schlesinger Limited ... 13 c E. S. Schwab 14 or Security Trust Co. Ltd. 14 or Shenley Trust 14 q Standard Chartered 1210

Trade Development Bk. 1219 Twentieth Century Bk. 14 9 United Bank of Kuwait 1212 Whiteaway Laidlaw ... 131 % Williams & Glyn's ... 1214 Yorkshire Bank ... 1214

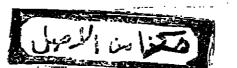
Members of the Accepting House

7-day deposits on sums of £16,009 tuder 9%, up to £25,000 91% over £55,000 10%. and deposits 101%. Call deposits over £1,000 9%.

> CORAL INDEX Close 374-379

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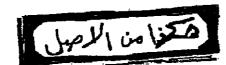
Property Growth 19 Cannon Insurance 11.



t A new numbering system is introduced in splay. The numbering shown in parentheses on the well, after a few species of the well.

has been replaced by Sketchley (Miss iclassified). NAME CHANGE: internation

CONSTITUENT CHANGE:



AUTHORISED UNIT TRUSTS

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*Prices on Feb. 8 News and Pearl Trust Managers Ltd. (a)(g)(z) 252 High Holborn, WCIVTEB 01-465-941
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Extra Income & Growth 22.3

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222 Bishopsgate, E.C.2. 61-247 8533 二二强 Scottish Equitable Fnd. Mgrs. Lid. Tyndall Managers Lid. | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | 1.65 | Grieveson Management Co. Ltd. Guardian Reyal Ex. Unit Mgrs. Ltd. 031-2363271 Ulster Banky (a) Al, Lochbury, EC2P 28P
Capital (Accum.) 53.7
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41, Lochbury, EC2P 28P Boyal Tst. Can. Fd. Mgrs. Ltd. PROPERTY, BONDS INSURANCE, 119. Crawford Street, W1H 2AS. R. Silk Prop. Bd. 150.6

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NOTICE IS HEREBY GIVEN that the Transfer Books of the Ordinary Shares of 259 each of Imperial Group Limited will be closed for one day only on 2nd March, 1977, and that warrants in respect of the final dividend for the year ended 13ts October, 1976, will be posted on 29th March, 1977, for payment on 1st April, 1977, to roughest on the Register at the close of business on the Register at the close of business on 1st March, 1977. P. M. DAVIES, Secretary, 16th February, 1977

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P.O. Box Rats, 52, Feb 25, Spring, Ang.

Invelin Equity Inc. [14.5]

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10a Boulevard Royal Luxembours

Luxembours American Ind Tax. [656 216 4111 109 100]

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Target Life Assurance Co. Ltd.

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Accum Units) 1093 1163 - 1.0 years

Chemp Schroder Wags & Co. Ltd.

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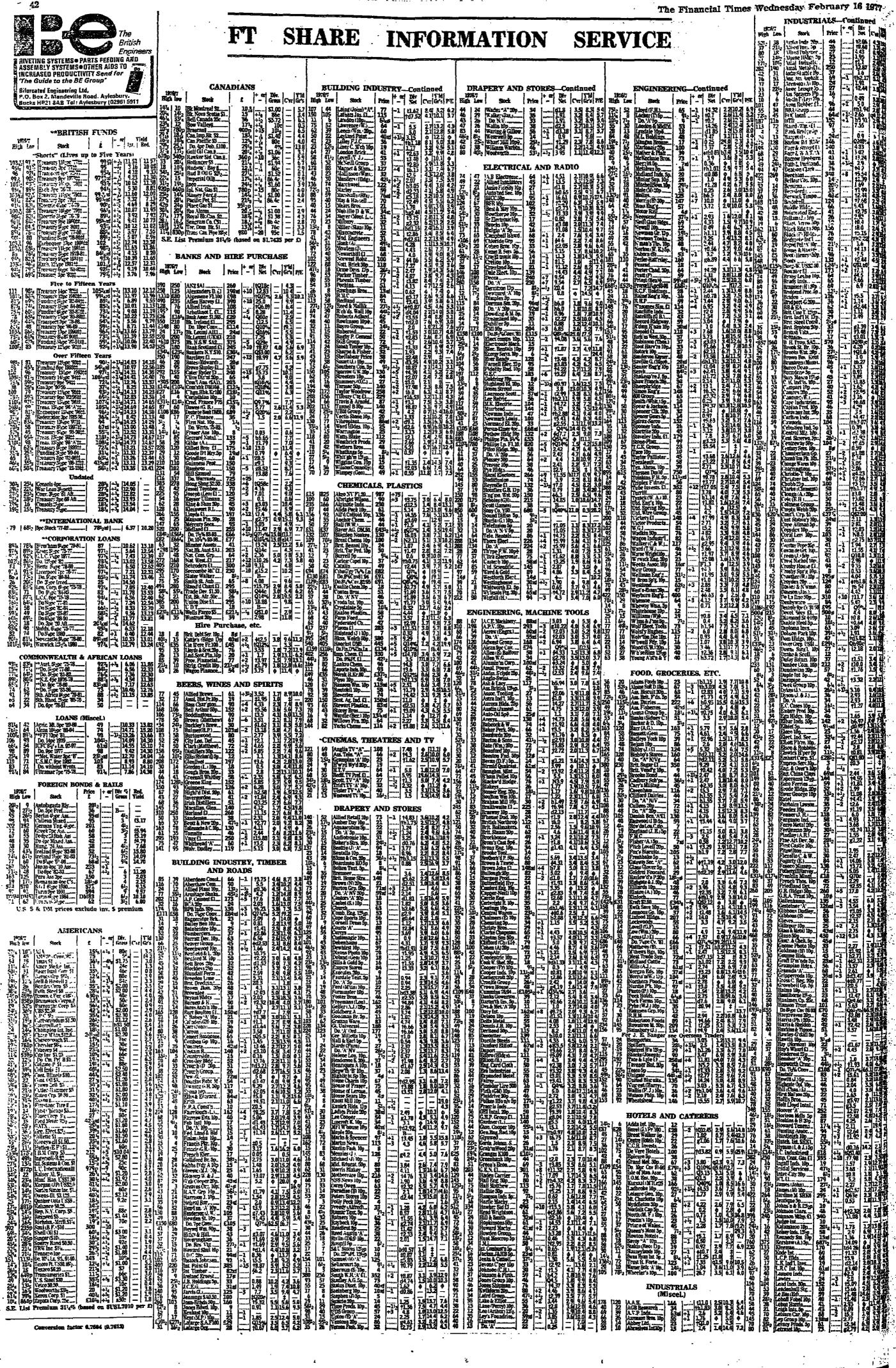
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German nuclear rally banned

powers to ban an open-air meet-ing if it is held to threaten public order. They infer such a threat from the inflammatory tone used by extreme political groups in rallying support for the demonstration, and from the fact that two demonstrations at Brokdorf late last year resulted in injury

and damage.

The aim of the conservative
Schleswig-Holstein Government is clearly to steer all reasonable demonstrators against the power station to the peaceful demon-stration at the nearby village of Itehoe, on the Elbe estuary, and brand as illegal any "bardcore" that insists on going to Brokdorf and attempting to occupy the

site.
Whether this tactic succeeds will be a measure of the political will that really lies behind this anti-atomic power movement. During the demonstrations in the late 1960s, such bans tended

the late 1969s. such bans tended to raise rather than lower than lower the temperature. If demonstrators still try to occupy Brokdorf on Saturday, the struggle could be ugly indeed.

The site resembles a small fortress. Police from all parts of West Germany will be on standby to defend it. The Federal Border Guard has been put on standby as well.

Work at Brokdorf Power Station has been banned since middle December by the courts, creating a legal precedent that has effectively brought the West German nuclear programme to a halt.

This ban has split opposition to two broad groups, one that wishes to show its worry about nuclear power and the environment in an orderly way; and another, more milliant, faction clearly adopted.

The outcome is by no means the prospect that the proceeding a legal precedent that has emen orderly way; and another, more milliant, faction clearly adopted.

The outcome is by no means the federal conditions with the same to Industry. The outcome is by no means the legislation of the station into two broad groups. One clearly adopted the proceeding and the environment in an orderly way; and another, more milliant, faction clearly adopted.

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The Bill was reintroduced this serious the insistence of the Comproment in the proposition to the comproment in an order way; and another, more milliant, faction clearly adopted.

The prime the clerks in the clerk in the delay in providing the providing the providing the proposition and the providing the provi

militant, faction clearly adopted as a suitable vehicle by extreme clear. But Conservative experts thereby removing any chance of Conservative experts thereby removing the Conservative experts the

The nuclear debate is now so shot through with political emotion that Bon may find it difficult to make progress on its the ardour has cooled.

Herr Hans Friderichs, the Economics Minister, plans to present the basic elements of a revised energy plan at the end of March. These are expected to restate his Government's conviction that West Germany cannot

Secretary of State in the Technology Ministry, suggested to-day working party of the National stituency branches.

Krupp confirms oil barter with Iran

BY ADRIAN DICKS

BONN, Feb. 15.

BY NICHOLAS COLCHESTER

BY NICHOLAS COLCHESTER

BONN. Feb. 15.

THE DEMONSTRATION planned for Saturday against the atomic power station at Brokdorf, the focus of West German protest against nuclear power, was banned to-day by the local authorities in the State of Schlessig-Holstein. The move illustrates the tension surround
FRIEDRICH KRUPP, the West German light and heavy crude. The deal, said Krupp, had no group, confirmed to-day that it connection with the Iranian Government's purchase last October Connection which is expected to supply know the Krupp holding connection which is expecte

much crude would be involved. The oil.

It was reliably learned here that
Our Foreign Staff writes: Petrofina a diminishing amount the deal would amount to 4.5m. Krupp's oil barter deal with Irao of crude each year. It has theretons—worth rather more than is believed to be related to equipfore been anxious to establish \$400m, at current prices, if one ping the smelter refinery planned direct links with the oil-proassumes a 50-50 split between for the Sar Cheshmeh copper ducing States.

Schleswig-Holstein. The move illustrates the tension surrounding this matter.

The authorities have used their nowers to ban an open-air meet.

The statement acknowledged the ultimate buyer of a result of the Iranian share ing West Germany and the U.K.,

the crude.

Though Krupp would not comment on this, Petrofina group of that its position in this respect North Sea, it still depends on Belgium has acknowledged that would be "facilitated," and not British Petroleum for 40 per it is the third party in question, that it had actually been awarded cent. of its crude.

Krupp declined to say how concrete orders in exchange for The problem here is that its much crude would be involved, the oil.

The gradient of the Grant Share in which share the contract with BP gives the crude would be involved.

Examiners to give verdict to-morrow on ships Bill

BY RUPERT CORNWELL, LOBBY STAFF

Labour MPs back status quo in electing party leader

BY RICHARD EVANS, LOBBY EDITOR

that the nuclear question must Executive Committee is studying. A motion approved by the Mr. Cledwyn Hughes, chairbee thrashed out further within new methods of electing a leader, Parliamentary party rejected any man of the Parliamentary party.

LABOUR MPs voted by a two-to- mendations of the working party shelved was rejected by 97 votes do without more nuclear power.

Yet an influential Social Democrat, Herr Volker Hauff, elect the Leader of the party.

Yet an influential Social Social Democrat, Herr Volker Hauff, elect the Leader of the party.

be thrashed out further within and between the political parties is likely to bring the Parliamentary party rejected any man of the Parliamentary party. Is likely to bring the Parliamentary party rejected any man of the Parliamentary party. It is likely to bring the Parliamentary party rejected any man of the Parliamentary party. It is likely to bring the Parliamentary party rejected any man of the Parliamentary party. It is likely to bring the Parliamentary party rejected any man of the Parliamentary party. It is likely to bring the Parliamentary party rejected any man of the Parliamentary party. It is likely to bring the Parliamentary party rejected any man of the Parliamentary party. It is likely to bring the Parliamentary party rejected any man of the Parliamentary party is likely to bring the Parliamentary party rejected any man of the Parliamentary party is likely to bring the Parliamentary party rejected any man of the Parliamentary party rejected any man of the Parliamentary party is likely to bring the Parliamentary party rejected any man of the party conficted any of sendon MPs who auto committee of senior MPs who

prices up 11% next year

By Roy Hodson

ELECTRICITY PRICES will rise by 11 per cent. on average during the financial year April 1977 to March 1978 If, as the electricity authorities expect,

The Central Electricity Generating Board Is basing its calculations on an expected 15 per cent, increase in the price of coal. There have been a number of semi-official indi-cations recently that the Government is prepared to sanction a coal price increase

Electricity pricing plans for 1977-78 do not, however, take into account the possibility of a second coal price increase during the year if the National Coal Board is called on to cover the costs of the early retirement scheme recently

Fuel bill

The CEGB fuel bill accounts for nearly 60 per cent, of its costs. Coal is costing the Board more than £1bn, in the current year. The expected extra 15 per cent, on coal prices would add £170m, to the Record's fuel hill. Board's fuel bill.

The bulk supply tariff on which the CEGB sells electricity to the area Boards has

day to provide steady loads.

between daytime and night-time electricity the CEGB hopes to encourage more use of electricity at night.

Assuming the 15 per cent, spring price rise for coal, the new peak rate charge for electricity on the bulk supply tariff will be 2.36p per kilowatt hour per cent, increase.

The night rate will fall from 0.747p per kilowatt hour to 0.64p, a cut of 15 per cent. The standard rate will rise by 3 per cent from 1.087p per kilowatt

per cent, expected will be applied gradually to con-sumers' bills during the year as the automatic quarterly fuel price adjustments are made.

204hn kilowatt hours for 1976-1977 compared with 201bn. kilowatt hours in 1975-76. Forecasts for 1977-78 suggest con-sumption of nearly 210bn.

Power

there is a sharp rise in coal prices this spring.

retirement scheme recently concluded with the mining

been re-written for 1977-78. For the consumer the most impor-tant change is that the CEGB is cutting the night rates for electricity by nearly 15 per

Big generating sets at the newest coal-fired power stations, and the oil-fired and nuclear stations, are most efficient when run night and lead to provide the state of the st By widening the price gap

Night rate

An average increase of 11

Consumption of electricity in Britain is estimated by the CEGB to be likely to reach

Weather

U.K. TO-DAY BRIGHTER, showery conditions spreading from the W. London, S.E. E., N.W., Cent. N. England

Cloudy with rain, becoming Cent. S., S.W. England. W. Mid-lands, Channel, Wales Showers, sunny intervals. Max 9C (48F). Lakes N.E. England, Borders, Edinburgh, Dundee, S.W. Scot-

Edinburgh, Dundee, S.W. Scotland, Glasgow, Cent. Highlands, Cloudy with rain, becoming brighter with showers.

Aberdeen, Moray Firth, N.E. Scotland Orkney, Shetland Cloudy, rain at times. Max. 6C (43F).

L. of Man, N. Ireland Showers, sunny intervals. Max. 7C (45F).

7C (45F). Outlook: Changeable.

 Long-rang forecast: Change-able weather is expected in most places during the next four weeks, but it may become drier and more settled later, especially in the West.

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HOLIDAY RESORTS

Measuring future funding needs

THE LEX COLUMN

It is now three weeks since the Government Broker was last operating a tap stock, and it looks increasingly as though the authorities have entered calmer financial water after two years in which the need to sell massive quantities of gilt-edged tended to overshadow the

capital markets. In the coming financial year it is conceivable that the GB may have to do little more than refuance some £3.2bn, of maturities. That compares with issues of stock carrying a total face value of £8.1bn. during 1976-77 so far. But there are a number of ways in which the basic arithmetic could yet be upset.

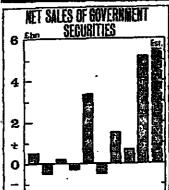
The starting points are the estimates in the IMF Letter of Intent that the public sector borrowing requirement will be £8.7bn, for 1977-78, and the limit for domestic credit expan- pects for 1977-78, are disturbed sion will be £7.7bn. It is likely by what their crystal ball prothat the increase in bank lend- duces for 1978-79. They project ing to the private sector next a sharp increase in bank lendyear will be fairly small-say ing, and serious strains upon of the order of £2bn. On this the capital market. But that is basis the public sector will have looking a very long way ahead. to sell only about £3bn. of debt to the non-bank private sector Interest rates for the DCE constraint to be met. Allowing for sources of November the coupon rate on to over 50 per cent following

finance such as national savings, the weekly issue of Local the latter's proposed and for the personal sector's Authority yearling bonds rose issue. This is designed. financial institutions might be required to take up less than £2bn. of gilts. And it must be taken into the redeficient of the representation of the repre the PSBR, on present policies. rates. cantly — by more than £1bn. are adjusting to the idea that undertakings about futto according, for example, to Phillips and Drew.

to over the £6bn. mark it is though the latter did buy in protection when confront understandable why the gilt treasury bills. The recent enor- such proposals - their diameters market has become confident mous shortages in the discount of veto — is really adequate that the Government's perspectually market have faded away, partly opponents of Cavenham and the confident market have faded away, partly opponents of Cavenham and the confident market have faded away, partly opponents of Cavenham and the confident market have faded away, partly opponents of Cavenham and the confident market have faded away, partly opponents of Cavenham and the confident market have faded away, partly opponents of Cavenham and the confident market have faded away, partly opponents of Cavenham and the confident market have faded away, partly opponents of Cavenham and the confident market have faded away, partly opponents of Cavenham and the confident market have faded away, partly opponents of Cavenham and the confident market have faded away, partly opponents of Cavenham and the confident market have faded away, partly opponents of Cavenham and the confident market have faded away and the confident market have faded away are confident market have faded away are confident market have faded away and the confident market have faded away are confident market mar tive funding requirements can because the houses no longer last year with Generale O(,) be comfortably absorbed.

tions. It is likely that DCE will much easier. not, in the event, be anywhere As the prospect of another near the indicated limit—the sharp fall in interest rates Wedds on gilts

Index rose 9.8 to 376.1



Indeed brokers James Capel. though happy about the pros-

direct purchases of gilts, the vestorder But this same issue. This is designed to taken into the reckoning that the general trend in interest

interest rates are now stabilis. dends arm's length dealir ing after their recent sharp the like. And it says that drop. For the first time since With the annual cash inflow early December, the discount to the life insurance offices and houses did not borrow from the the general question is with the pension funds now swelling Bank of England vesterday, the minority shareholders have to finance such sizeable gilt tale discovered, it i Yet there are some qualifica-books, and overnight money is difficult to get an in

current financial year's DCE, recedes, the interest rate strucafter all, is likely to turn out ture is beginning to look more several £bn. under the £9bn. normal. One-month and one- Mordaunt are offering to limit. Moreover any tendency year interbank rates are virtu- sions for 1977 of their ! for the PSBR to undershoot ally identical currently, com- established and respected to could be partly or wholly offset pared with late January when ence work on the sike Concor: by a reflationary Budget. And the shorter rates were one and market. The more ex recent experience has shown a half points above the longer hard cover version is dest that making short term pro-rates. Meanwhile in the gilts to reflect "something jections of bank lending can be market, high coupon shorts— prestige associated with hazardous. The necessary level which were at one time yield- gilt-edged market and those of gilt-edged sales is sensitive ing three-quarters of a point have dealings in it." to changes in all these variables less than MLR—are now yield-prizely enough, it is finishing the equation.

ing 12.3 per cent.

gilt lettering.

With easier money conditions and greater in the rate structure, the must now be on the banks to cut their hase MLR has fallen three pere points from its October pa 15 per cent., while bank; rates have dropped by nell points.

For the greater part year bank base ries stood i MLR and with three interbank rates close to helow base rate, the bank scope for trimming their without laying themselves to "round tripping."

Bamfords

There are a number obvious questions to be apparently strong balance. announces that it needs equity, and proposes to by means of a very heavy. issue underwritten by its I shareholder (and custo F. W. Burgess, a public up company, currently cont per cent. of Bamfords, the cultural machinery makes For the first time since early its holding seems bound

the equivalent of nearly

current market capitalis Bamfords has taken in dent advice (from Ha Generally, the money markets and has secured a nun are clear benefits from links with Burgess. He

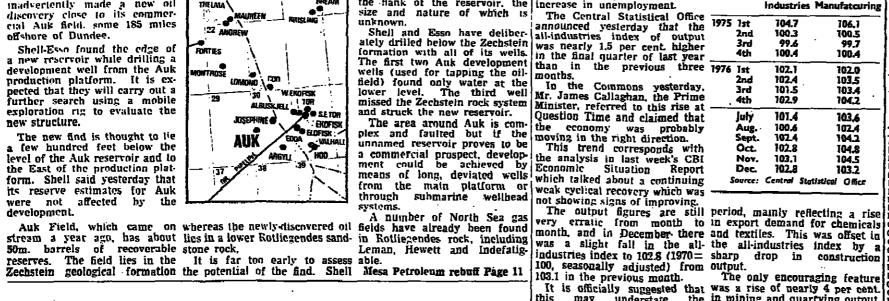
Jobbers Wedd Durk

Shell/Esso strikes new field by accident close to Auk

BY RAY DAFTER, ENERGY CORRESPONDENT

THE SHELL-ESSO group has inadvertently made a new oil discovery close to its commercial Auk field, some 185 miles offshore of Dundee. Shell-Esso found the edge of

a new reservoir while drilling a development well from the Auk production platform. It is ex-pected that they will carry out a further search using a mobile exploration rig to evaluate the new structure. The new find is thought to lie a few hundred feet below the



believes that it has touched only the flank of the reservoir, the incre-size and nature of which is The

Shell and Esso have deliber all-inately drilled helow the Zechstein was in the first two Auk development than wells (used for tapping the oil-field) found only water at the lower level. The third well missed the Zechstein rock system and struck the new reservoir. The area around Auk is com-

a commercial prospect, development could be achieved by means of long, deviated wells means of long, deviated wells which talked about a continuing unnamed reservoir proves to be

Sterling and shares recover

BY MICHAEL BLANDEN

after the setback suffered on markets.

THE POUND and the stock remained fairly stable during the closing with a gain of 9.8 points markets recovered yesterday afternoon in generally calmer at 376.1. It fell 15.2 points on

Output rise insufficient to check unemployment

BY PETER RIDDELL, ECONOMICS CORRESPONDENT INDUSTRIAL PRODUCTION has

LIND COLINIAL PRODUCTION HAS			
improved slightly in recent	INDUS	TRIAL PR	ODUCTION
months, although the growth rate		1970=1	00
is still very low and not nearly	Se	easonally ad	diusted
enough to prevent another		Αij	Total
increase in unemployment.			Manufatcur
The Central Statistical Office	1975 1st	704.7	706.1
announced vesterday that the		100.3	
all-industries index of output	Znd		100.5
was nearly 1.5 per cent higher	3rd	99.6	99.7
in the final quarter of last year	4th	100.4	100.4
than in the previous three	1976 Tet	102.1	102.0
months.	2nd	102.4	103.5
In the Commons yesterday,			
Mr. James Callaghan, the Prime	3rđ	101.5	103.4
Minister, referred to this rise at	. 4th	102.9	70 4.2
Organian Time and allight the	July	101.4	103.4
Question Time and claimed that			103,6
the economy was probably	Aug.		102,4
moving in the right direction.	Sept.		104.2
This trend corresponds with	Oct.	102.8	104.8
the analysis in last week's CBI	Nov.	103.1	104.5
Francis di last ligate del			

It is officially suggested that was a rise of nearly 4 per cent. this may understate the in mining and quarrying output. December level since, as with as a result of the build-up of the trade figures, the seasonal North Sea production.

adjustment process has not yet in the last quarter, this sec-caught up with the longer tor's output rose by 7.2 per cent. Cortstmas holidays now being (with a slight rise in coal pro-taken. duction as well). This accounts It is also possible that fourth for the faster growth on a three-quarter output may have been month basis in the all-industries slightly understated because of a index in the period compared changeround in the stock trend with the manufacturing index. from the summer with possibly which increased by only 0.7 per

After the sethack suffered on markets.

Monday in response to the poor trade figures for January.

In the foreign exchange the 1.55 cent fall recorded on market the authorities put a Monday. The effective depreciable and process are sharp squeeze on short-time tion from December 1971 levels ally stronger. Rises of as much cost of a very short term money pared with 43.6 per cent. compared and medium end of the reacted 60 per cent. in places. Monday and 43.8 per cent. on market.

The Bank of England was also early dealings yesterday.

The Bank of England was also early dealings yesterday.

The Bank of England was also early dealings yesterday.

The Financial Times Government for months—on Monday, and sare relatively alow start. It with the Financial Times index four months—on Monday, and sare count of the pared with the manufacturing index form the summer with possibly which increased by only 0.7 per a start to restocking towards the changeround in the stock trend which increased by only 0.7 per a start to restocking towards the end of the year.

The dull underlying trend is, from Brokers Wood Mackenzie in the longer and medium end of the longer and medium end

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CANNON STREET ECA Opposite station upper floor offices,

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offices 4,000 sq. ft.

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